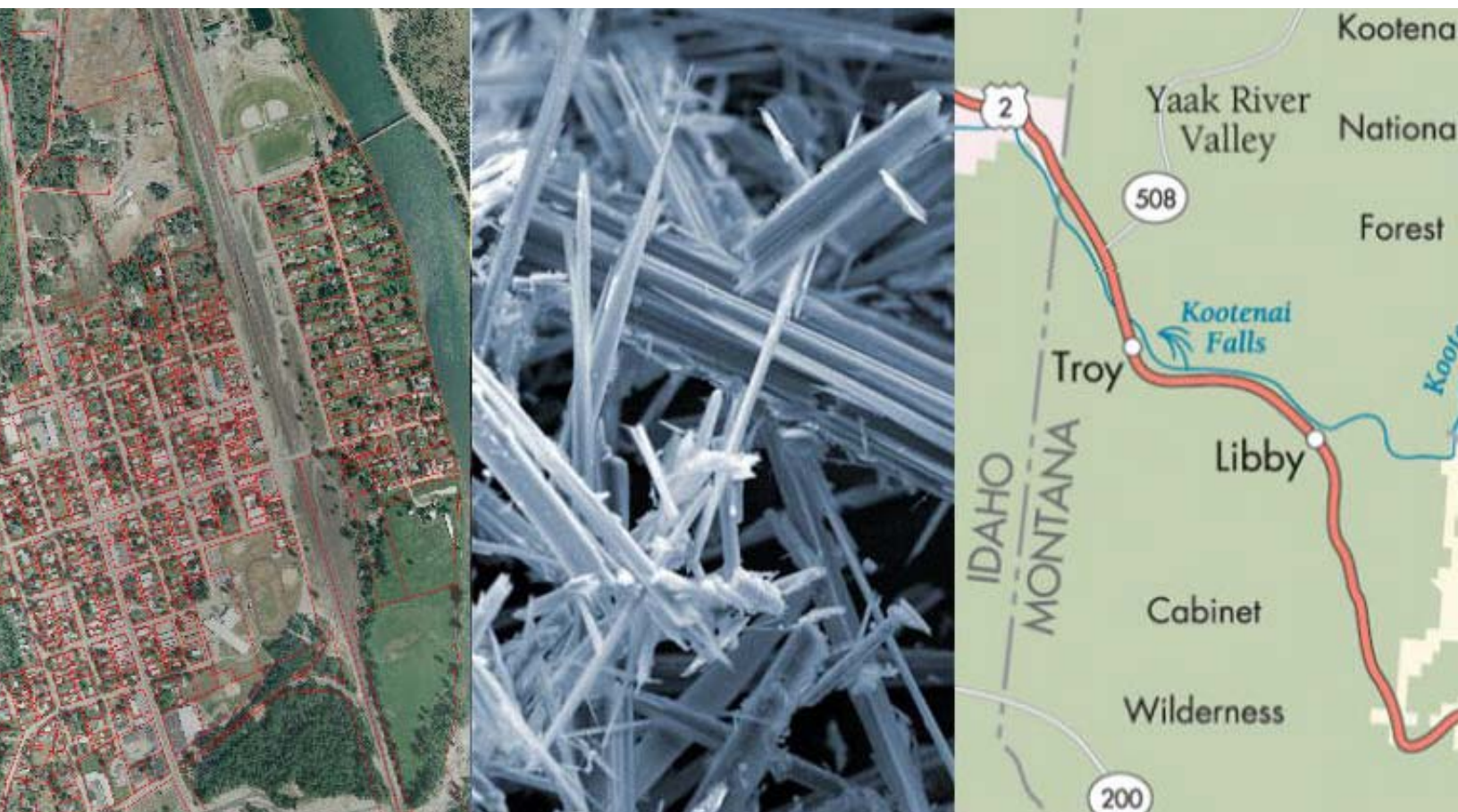


Final First Quarter Memorandum Outdoor Ambient Air Study

Operable Unit Number 7 of the
Libby Asbestos Superfund Site



Prepared for:

Montana Department of Environmental Quality

Helena Montana

Prepared by:

Tetra Tech

Helena, Montana

February 2010

**FINAL
FIRST QUARTER MEMORANDUM
OUTDOOR AMBIENT AIR STUDY**

**Operable Unit Number 7
of the Libby Asbestos Superfund Site**

February 23, 2010

Prepared for:

MONTANA DEPARTMENT OF ENVIRONMENTAL QUALITY
Remediation Division
P.O. Box 200901
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1.0 INTRODUCTION

As part of the overall remedial investigation activities conducted within Operable Unit (OU) Number 7 (OU7) of the Libby Asbestos Superfund Site, Tetra Tech EM Inc. (Tetra Tech) conducted ambient air monitoring for the Montana Department of Environmental Quality (DEQ) to evaluate the presence of Libby Amphibole (LA) asbestos in outdoor ambient air throughout the operable unit.

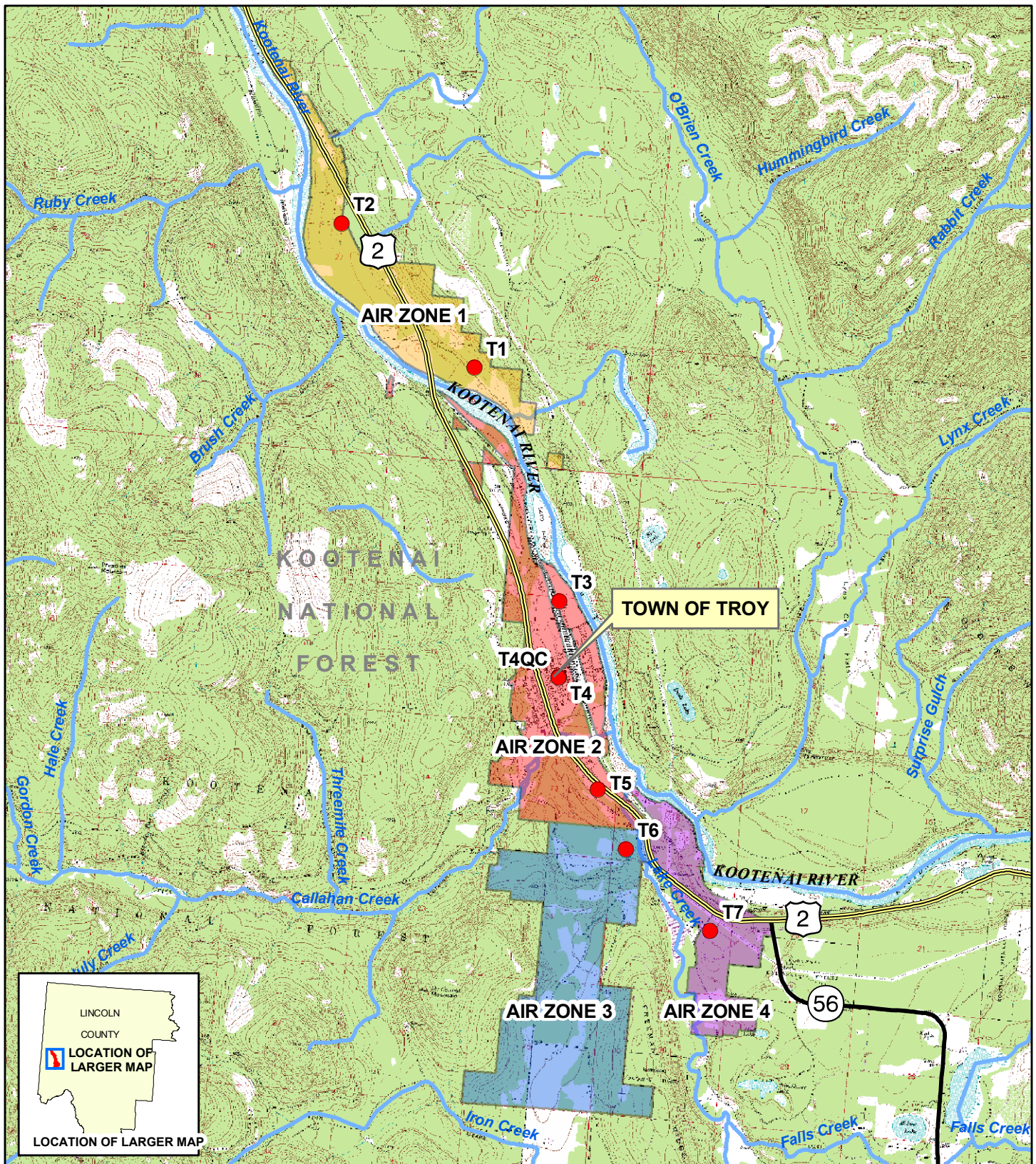
The outdoor ambient air monitoring program implemented by Tetra Tech is based on the Remedial Investigation Work Plan, Outdoor Ambient Air Study (Tetra Tech 2009a) and the associated health and safety plan (Tetra Tech 2009b) and includes monitoring of ambient air in four distinct “air zones” across OU7. Tetra Tech established seven monitoring station locations within the four air zones to evaluate upwind, downwind and residential exposure scenarios. Personnel and work zone monitoring was also conducted to ensure worker safety and to evaluate real-time airborne levels of asbestos in ambient air. This quarterly report summarizes activities related to monitoring station site selection and setup, outdoor ambient air monitoring activities conducted, and available analytical results from the first quarter (October 30, 2009 through January 22, 2010) of the year-long outdoor ambient air monitoring program.

2.0 AIR MONITORING PLAN IMPLEMENTATION

Implementation of the OU7 air monitoring program was initiated in October 2009. Initial field activities included the selection of site monitoring stations, assembly and installation of monitoring equipment, and initiation of outdoor ambient air sample collection. The following sections provide a brief summary of activities conducted to accomplish the goals of the Outdoor Ambient Air Study Work Plan (Tetra Tech 2009a).

2.1 ESTABLISH AIR MONITORING STATION LOCATIONS

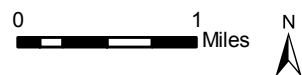
Seven ambient air sampling station locations were selected within four distinct outdoor ambient air sampling zones of OU7 (**Figure 2-1**). The four air sampling zones were defined based on geographic location and land use coverage. Final locations for the seven air sampling stations were determined during the first week of October and were based upon site access, landowner approval, site security, and adequate special coverage of the study area. **Table 2-1** provides the general and detailed locations and rationale for selecting the seven stations. Photographs of the 7 air sampling stations are provided in **Appendix A**.



Tt TETRA TECH EM, INC.

LEGEND

- OU 7 AMBIENT AIR SAMPLE STATION
- AMBIENT AIR ZONES**
- ZONE 1
- ZONE 2
- ZONE 3
- ZONE 4



LIBBY ASBESTOS SUPERFUND SITE

**FIGURE 2-1
OPERABLE UNIT 7
AMBIENT AIR MONITORING
STATION LOCATIONS**

TABLE 2-1
OUTDOOR AMBIENT AIR SAMPLING LOCATIONS

Station Number	General Location*	Detailed Location	Purpose
T1	Community exposure site and upper-middle bounds of OU7, located at the small community area NE of the Kootenai River	Residential Property at North River Road <i>Long -115.9109194</i> <i>Lat 48.49736625</i>	This site is used to evaluate LA concentrations at the small community and the upper-middle bounds of OU7
T2	Upwind/downwind site near the NW border of OU7	Fire Station at Forest Drive at Vacation Rd in Kootenai Vista <i>Long -115.9355267</i> <i>Lat 48.5124475</i>	This site is used to evaluate LA concentrations at the northern boundary of OU7
T3	City of Troy northern site	Water Treatment Station at North end of Roosevelt Park <i>Long -115.893191033333</i> <i>Lat 48.47169145</i>	This site is used to evaluate LA concentrations north of the Troy community
T4	City of Troy population exposure site	DEQ Troy Info. Center at 303 Third Street <i>Long -115.89226045</i> <i>Lat 48.4631302166667</i>	This site is used to evaluate LA concentrations in the Troy community (specifically in the population center).
T4QC	City of Troy population exposure site	DEQ Troy Info. Center at 303 Third Street <i>Long -115.89226045</i> <i>Lat 48.4631302166667</i>	Co-located sample station of T4
T5	City of Troy southern site	County Shops at Hwy. 2 at Sunset Rd. <i>Long -115.88398595</i> <i>Lat 48.4507425666667</i>	This site is used to evaluate LA concentration south of the Troy community
T6	Upwind/downwind site near the SW boarder of OU7	Water Tower at Iron Creek Rd. ¾ mile south of Hwy 2 <i>Long -115.878429133333</i> <i>Lat 48.4441892166667</i>	This site is used to evaluate LA concentrations at the southwestern boundary of the OU and confirm if any LA is entering or leaving OU7
T7	Upwind/downwind site near the SE boarder of OU7	Residential Property at Hummingbird Way at Bighorn Way in Wilderness Plateau <i>Long -115.862912383333</i> <i>Lat 48.4357253333333</i>	This site is used to evaluate LA concentrations at the southeastern boundary of OU7

Notes:

LA	Libby Amphibole	SE	Southeast	Lat	Latitude
NE	Northeast	SW	Southwest	Long	Longitude
NW	Northwest	OU7	Troy Operable Unit		

* Predominant winds in the area blow from the southeast and northwest. Stations on the southeast and northwest bounds of OU7 will act as upwind and downwind receptors depending on wind direction.

The predominant winds in Troy tend to flow in southeast and northwest directions, following the river corridor in which Troy is located; therefore, two sampling stations (one each) were placed in close proximity to the northwest and southeast boundaries of OU7. This will ensure that there are upwind and downwind sample collection stations for both wind directions. Two stations (one each) were also located on the northwest and southeast borders of downtown Troy in order to have upwind and downwind sample stations in the area with the highest population density. One sample station was also placed at the DEQ Troy Information Center in downtown Troy to measure the presence of LA in Troy. One station was placed in the Kootenai Vista area in the northern portion of OU7 and the last station was placed along Iron Creek Road in the southwestern portion of OU7. One additional station was placed in tandem with the station at the DEQ Information Center to serve as the location for collection of co-located quality control samples.

2.2 EQUIPMENT SELECTION AND SETUP

With assistance from Mr. Damon Repine, a CDM field supervisor, Tetra Tech obtained the ambient air sampling station boxes from a Libby storage facility on October 7, 2009. Eight station boxes were obtained with the following serial numbers: 3794-1, 3794-3, 3794-7, 3794-9, 3794-11, 3794-12, 3794-13, and 3794-14. Using Hudson sprayers and disposable towels, Tetra Tech decontaminated the boxes prior to transporting them to the Troy field office. Tetra Tech purchased materials and supplies to set up the sampling station boxes during the weeks of October 12 and 19, 2009.



Exterior view of ambient air sampling station.

Tetra Tech obtained access agreements from property representatives before the sampling station boxes were installed on October 20 and 21, 2009. Contact dates and names of those individuals granting access to each site were recorded on Field Sampling Data Sheets (FSDS) along with all field data collected. The basic design for the FSDS sheets was created before field-testing began and was modified during the first two sampling periods. FSDS sheets for the first quarter sampling periods are provided in **Appendix A**.

Once the sampling stations were placed at each location, the global positioning system coordinates of each station were recorded and site photographs were taken (**Appendix B**). The coordinates provided in

Table 2-1 will be used for spatial pattern analysis and in the preparation of maps that summarize findings.

Figure 2-1 provides sampling station locations.



AirChek 2000 Pump

Sampling station equipment was designed to use battery-operated air sampling and heating equipment in order to work independent of onsite electrical sources. In order to sample continuously for 5 consecutive days with data recording capabilities, the battery operating criteria required Tetra Tech to purchase air sampling equipment that could use 12-volt deep cycle batteries. Tetra Tech purchased air sampling pumps that met these criteria. The selected pumps were SKC AirChek2000 which are equipped with battery eliminator attachments that can be connected directly to the 12-volt batteries. Although the air pump set-up met the manufacturer's specifications, Tetra Tech could not be sure that the apparatus would work

successfully for the OU7 ambient air project requirements without first completing a test run. Separate short-term test runs of the sampling equipment and power supply system were completed in the days prior to actual sampling startup. Results of short-term testing indicated that the equipment was functioning properly and was ready for full-length sampling periods.

2.3 OUTDOOR AMBIENT AIR MONITORING

First quarter ambient air sampling consisted of nine 5-day sampling periods separated by five off days between each period. First quarter sampling began with Period 1 on October 30, 2009 and ended with Period 9 that ended on January 22, 2010. **Table 2-2** provides a summary of sampling dates for periods 1 through 9.

TABLE 2-2
OU7 OUTDOOR AMBIENT AIR SAMPLING
1ST QUARTER SAMPLE PERIOD DATES

Sample Period 1	October 30, 2009 to November 3, 2009
Sample Period 2	November 9, 2009 to November 13, 2009
Sample Period 3	November 19, 2009 to November 23, 2009
Sample Period 4	November 29, 2009 to December 3, 2009
Sample Period 5	December 9, 2009 to December, 13, 2009
Sample Period 6	December 19, 2009 to December 23, 2009
Sample Period 7	December 29, 2009 to January 2, 2010
Sample Period 8	January 8, 2010 to January 12, 2010
Sample Period 9	January 18, 2010 to January 22, 2010

Tetra Tech scheduled the first sampling period, October 30, 2009 to November 3, 2009, to be a full-length test run. If the pumps ran successfully during this first week the data would be considered valid and subsequent sampling periods would use similar methods. The pumps were set to run at 3 liters per minute for the entire 5-day period, collecting a total of 21,600 liters of air. Tetra Tech monitored the 12-volt batteries daily and recorded minimal voltage loss during this first week. Only one sample, TA-0006 collected at station T-2 (the Kootenai fire station), failed to obtain the air volume goal. This error was due to



Interior view of ambient air sampling station showing sampling equipment, batteries, and heater.

a programming malfunction and not battery failure, therefore, the test run was deemed successful and samples were collected for analysis. Sampling data and observations were recorded daily on FSDS sheet (**Appendix A**). The FSDS sheets were modified to add an expanded section for comments and to record the pump set up and retrieval dates on the front page. A total of 5 daily pump inspection checks were placed on the second page of each FSDS.

Although Tetra Tech was able to test the battery operated air pump mechanisms during the first sampling period, questions still remained on how the pumps would perform during winter temperature drops. The AirChek2000 sampling pump specifications identify an operating temperature range of 32 to 100 degrees Fahrenheit. To maintain temperatures above the base level, Tetra Tech purchased several 12-volt deep cycle batteries to operate miniature heaters inside the sample station boxes.

Tetra Tech tested two heating devices: miniature terrarium heaters with flexible plate designs and 12-volt light bulb appliances. The heating devices were tested during the 2nd and 3rd sampling periods. Tetra Tech collected and recorded data daily to monitor the temperatures of the sampling pumps and the temperatures within the sample station boxes. Tetra Tech also monitored and compared the battery voltage loss for the two heating options. Data were summarized and reviewed after each of the two sampling periods and Tetra Tech concluded that both heating options worked adequately. Although the light bulb appliances provided more heat in extreme cold temperatures, the terrarium heaters were shown to be more efficient for battery usage. The Tetra Tech field team decided to use the terrarium heaters unless extreme cold temperatures are encountered.

The air sampling pumps were programmed to record atmospheric pressure in the “INS mode” (inches of Hg) since Sample Period 1; however, the FSDS sheets for sample periods 1 through 7 had incorrectly referenced the “mm/Hg” (millimeters of Hg) mode. The FSDS sheets were changed to correctly list “INS” beginning in period 8.

2.4 OUTDOOR AMBIENT AIR MONITORING, ISSUES AND RESOLUTIONS

This report addresses the first quarter of the OU7 outdoor ambient air monitoring project. The issues and resolutions addressed during project start up through the first 9 sampling periods are summarized below.

The OU7 Outdoor Ambient Air Study work plan establishes a goal of 21,600 liters of air to be collected per sampling period at each sampling location. This goal was established in order to ensure that target analytical sensitivities could be achieved during the project. However, the air volume requirement presented a potential concern for sample filter overloading. The target air volume of 21,600 liters exceeds the volume of air collected in the OU4 (Libby) ambient air study which averaged about 15,000 liters per sample.

Tetra Tech requested that analytical results for the first sampling period be obtained as soon as possible to determine if the specified pump flow rate of 3.0 liters per minute was excessive and filter overloading would result. Since the ESAT analytical laboratory was not set up to analyze the OU7 outdoor ambient air study samples, Period 1 filter cassettes were sent to Reservoirs Laboratory for analysis. Prior to analyzing the samples, Reservoirs informed Tetra Tech that three samples from Period 1 yielded overloaded cassettes while the remaining five cassettes were not overloaded. Overloaded cassette filters were noted to have a black “soot-like” substance on the filter. The three overloaded cassettes were collected at stations T-4, T-4QC and T-5 (the DEQ Office, DEQ Office QC station, and the County Shops station). Tetra Tech consulted with the DEQ and resolved that the sample stations with the overloaded filter cassettes were likely located in dusty areas and near high traveled roads. Tetra Tech recommended relocating the sampling boxes at these locations to positions farther away from the main roads. Tetra Tech also recommended reducing the sample flow rates from 3.0 to 2.0 liters per minute. These changes were made prior to starting sample Period 4.

Overloaded cassettes were discussed during a telephone conference call on December 2, 2009 with Reservoirs Laboratory, DEQ and Tetra Tech. Reservoir Laboratories stated that although the three cassettes were overloaded, they would be able to analyze them using a secondary dilution process. Additional grid openings would need to be counted in order to achieve the analytical sensitivity and would result in increased analytical time and costs. The number of grid openings to be counted would

increase from 45 to either 73 or 146 to reach required sensitivity levels. Reservoirs Laboratory was directed to analyze the overloaded samples.

The initial analytical results for Sample Period 1 were received on December 8, 2009, just prior to the start of Sample Period 5. The other Period 1 sample results did not require secondary dilution; therefore Period 5 flow rates were returned to 3.0 liters per minute.

The DEQ recommended that rush analysis be completed for the Period 5 samples to help evaluate if relocating the sample boxes at T-4, T-4QC, and T-5 helped avoid filter overloading at these locations. No overloaded cassette filters were identified for any of the Period 5 samples. As a result, relocation of the boxes was enough to eliminate filter cassette overloading and the 3.0 liters per minute flow rate was established for subsequent sampling periods.

Infrequent sample pump failure was another issue noted during first quarter sampling. Tetra Tech experienced pump failures approximately 4 to 5 times during this period. Failures were generally attributed to pump faults and not battery failures or hardware malfunctions. When failures were identified, Tetra Tech was able to minimize data loss for these 4 or 5 occurrences by either repairing or reprogramming the air sampling pump, re-sampling with a new cassette and sample number, or exchanging the pump for a working backup pump using a new cassette and sample number. The FSDS sheets were used to record the replacement samples and revised sample periods.

3.0 OUTDOOR AMBIENT AIR MONITORING RESULTS

Only samples from sample periods 1 and 5 were submitted for transmission electron microscopy (TEM) analyses during first quarter sampling activities. Samples collected during the remaining sample periods (2, 3, 4, 6, 7, 8, and 9) are currently stored at the ESAT laboratory awaiting future analysis. All sample filter cassettes were shipped to ESAT Laboratory in Golden, Colorado under chain-of-custody protocol where they were dried in a dessicator to prevent the growth of mold. At the time of this report, validated analytical results are not available for presentation.

4.0 REFERENCES

Tetra Tech EM Inc. 2009a. Remedial Investigation Work Plan, Outdoor Ambient Air Study, Operable Unit 7 of the Libby Asbestos Superfund Site. October.

Tetra Tech EM Inc. 2009b. Operable Unit 7 Ambient Air Study Health and Safety Plan. October.

APPENDICES

(Appendices are provided on the attached disk)

APPENDIX A

**FIRST QUARTER OUTDOOR AMBIENT AIR SAMPLING FSDS SHEETS
OCTOBER 30, 2009 THROUGH JANUARY 22, 2010**

APPENDIX B

AIR MONITORING STATION PHOTOGRAPHS

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA SHEET (FSDS)

TA-0001

Station Location: T- 4 QC
Field Technician: MAS, JJ
Pump Type/Model: SKC AirChek 2000
Pump Number: 36444

Sample ID #: TA-0001
Filter ID #: 18833-01
Sample Type: TEM
Sample Parent ID #: TA-0004

START DAY

Date: 10/30/09
Time: 12:00 AM

Timer Beginning Time: 12:00 AM
Beginning Flow Rate (L/min): 3 LPM
Atmospheric pressure (mm Hg): 27.93
Temperature inside station unit (°F):

STOP DAY

Date: 11/4/09
Time: 11:35 AM

Timer Ending Time: 12:00 AM
Ending Flow Rate (L/min): 3000
Total Sample Volume (L): OFLO
Total Sample Time (min): 7200
Atmospheric pressure (mm Hg): 27.92
Temperature inside station unit (°F): 40.4°

DAILY CHECK (complete separate DAILY CHECK for each station visit - additional records on back)

(Field Tech Initials)
Date: 10/30/09 (JJ)
Time: 10:13 AM ()

PUMP FAULT (Yes / No): NO
Timer Time (min): 611
Flow Rate (L/min): 3000
Cumulative Sample Volume (L): 1836
Cumulative Sample Time (min): 611
Atmospheric pressure (mm Hg): 27.71 ins
Temperature inside station unit (°F): 38.2° pump / 41° Box
Battery voltage reading (volts): 12.68

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

SIGNATURE:

DATE:

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA SHEET (ESD)

ADDITIONAL DAILY CHECK RECORDS

TA-0001

Station Location: T- 4-QC

Sample ID #

Field Technician: QAFilter ID #: 18833-01Pump Type/Model: SKC AirChek 2000Pump Number: 36444

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 10-31-09 (QA)Time: 9:17 am ()PUMP FAULT (Yes / No): NOTimer Time (min): 1996Flow Rate (L/min): 3000Cumulative Sample Volume (L): 5990Cumulative Sample Time (min): 1996Atmospheric pressure (mm Hg): 27.60Temperature inside station unit (°F): 46.2 Pump/49 boxBattery voltage reading (volts): 12.64

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11/01/09 (QA)Time: 1:12 pm ()PUMP FAULT (Yes / No): NOTimer Time (min): 3731Flow Rate (L/min): 3000Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 3731Atmospheric pressure (mm Hg): 28.09Temperature inside station unit (°F): 51.8 Pump/56 boxBattery voltage reading (volts): 12.59

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-2-09 (QA)Time: 8:18 am ()PUMP FAULT (Yes / No): NOTimer Time (min): 4878Flow Rate (L/min): 3000Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 4878Atmospheric pressure (mm Hg): 28.11Temperature inside station unit (°F): 30.8Battery voltage reading (volts): 12.51

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-3-09 (QA)Time: 8:37 am ()PUMP FAULT (Yes / No): NOTimer Time (min): 6338Flow Rate (L/min): 3000Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 6338Atmospheric pressure (mm Hg): 28.11Temperature inside station unit (°F): 31.5Battery voltage reading (volts): 12.46

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11/4/09 (mm)Time: 11:35 am (mm)

PUMP FAULT (Yes / No):

Timer Time (min):

Flow Rate (L/min):

Cumulative Sample Volume (L):

Cumulative Sample Time (min):

Atmospheric pressure (mm Hg):

Temperature inside station unit (°F):

Battery voltage reading (volts): 12.54

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA SHEET (FSDS)

TA-0010

Station Location: T-1 (Tony's Rental)

Sample ID #:

Field Technician: JJ

Filter Lot #: 18833-01

Pump Type/Model: SKC AirChek 2000

Sample Type: TEM

Pump Number: 36446

Sample Parent ID #: TA-0010

START DAY

Date: 11-9-09

Timer Beginning Time: 12:00 AM

Time: 12:00 AM

Beginning Flow Rate (L/min): 3000

Pump Programmed (Yes / No): Yes

Bios Calibration Within 10 mL (Yes / No): Yes

STOP DAY

Date: 11-14-09

Timer Ending Time: 7200 12:00 AM

Time: 3:02 PM

Ending Flow Rate (L/min): 3000

Total Sample Volume (L): 0FLO

Total Sample Time (min): 7200

Atmospheric pressure (mm Hg): 27.88

Temperature inside station unit (°F): 36.9 pump / 39.8 ox

DAILY CHECK (complete separate DAILY CHECK for each station visit - additional records on back)

(Field Tech Initials)

PUMP FAULT (Yes / No):

Date: ()

Flow Rate (L/min):

Time: ()

Cumulative Sample Volume (L):

Cumulative Sample Time (min):

Atmospheric pressure (mm Hg):

Temperature inside station unit (°F):

Battery voltage reading (volts):

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

SIGNATURE:

DATE:

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA SHEET (ESDS)

ADDITIONAL DAILY CHECK RECORDS

TA-0010

Station Location: T-1 (Tony's Rental)

Sample ID #

Field Technician: JD

Filter Lot #: 18833-01

Pump Type/Model: SAC AirChek 2000

Pump Number: 36446

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-9-09 (JD)

Time: 7:21 AM ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3000

Cumulative Sample Volume (L): 132.2

Cumulative Sample Time (min): 440

Atmospheric pressure (mm Hg): 27.89

Temperature inside station unit (°F): 45.1 Pump/47 Box

Battery voltage reading (volts): 12.86

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-10-09 (JD)

Time: 9:21 AM ()

2:39 PM

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3000

Cumulative Sample Volume (L): 6960

Cumulative Sample Time (min): 2319

Atmospheric pressure (mm Hg): 27.89

Temperature inside station unit (°F): 54.7 Pump/46 Box

Battery voltage reading (volts): 12.71

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-11-09 (JD)

Time: 11:14 AM ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3000

Cumulative Sample Volume (L): 0 FLO

Cumulative Sample Time (min): 3554

Atmospheric pressure (mm Hg): 27.67

Temperature inside station unit (°F): 44.3 Pump/36 Box

Battery voltage reading (volts): 12.63

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-12-09 (JD)

Time: 2:12 PM ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3000

Cumulative Sample Volume (L): 0 FLO

Cumulative Sample Time (min): 5173

Atmospheric pressure (mm Hg): 27.59

Temperature inside station unit (°F): 45.3 Pump/37 Box

Battery voltage reading (volts): 12.56

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-13-09 (JD)

Time: 2:00 PM ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3000

Cumulative Sample Volume (L): 0 FLO

Cumulative Sample Time (min): 6601

Atmospheric pressure (mm Hg): 27.39

Temperature inside station unit (°F): 42.7 Pump/35 Box

Battery voltage reading (volts): 12.50

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA S
ADDITIONAL DAILY CHECK RECORDS

TA-0019

Station Location: T-1 (Tony's Rental)		Sample ID #:
Field Technician: <u>98</u>		Filter Lot #: 18833-01
Pump Type/Model: SKC AirChek 2000		
Pump Number: 36446		

DAILY CHECK (For each station visit)		PUMP FAULT (Yes / No):
(Field Tech Initials)		
Date: 11-19-09	(98)	Flow Rate (L/min): 3000
Time: 9:14 AM	()	Cumulative Sample Volume (L): 1664
		Cumulative Sample Time (min): 554
		Atmospheric pressure (mm Hg): 27.76
		Temperature inside station unit (°F): 42.1 PUMP/34 BOX
		Battery voltage reading (volts): 12.96

DAILY CHECK (For each station visit)		PUMP FAULT (Yes / No):
(Field Tech Initials)		
Date: 11-20-09	(98)	Flow Rate (L/min): 3000
Time: 9:00 AM	()	Cumulative Sample Volume (L): 5940
		Cumulative Sample Time (min): 1980
		Atmospheric pressure (mm Hg): 27.46
		Temperature inside station unit (°F): 43.8 PUMP/35 BOX
		Battery voltage reading (volts): 12.77

DAILY CHECK (For each station visit)		PUMP FAULT (Yes / No):
(Field Tech Initials)		
Date: 11-21-09	(98)	Flow Rate (L/min): 3000
Time: 4:33 PM	()	Cumulative Sample Volume (L): 0 FLO
		Cumulative Sample Time (min): 3873
		Atmospheric pressure (mm Hg): 27.71
		Temperature inside station unit (°F): 48.3 PUMP/40 BOX
		Battery voltage reading (volts): 12.63

DAILY CHECK (For each station visit)		PUMP FAULT (Yes / No):
(Field Tech Initials)		
Date: 11-22-09	(98)	Flow Rate (L/min): 3000
Time: 1:30 PM	()	Cumulative Sample Volume (L): 0 FLO
		Cumulative Sample Time (min): 5131
		Atmospheric pressure (mm Hg): 27.43
		Temperature inside station unit (°F): 43.4 PUMP/35 BOX
		Battery voltage reading (volts): 12.57

DAILY CHECK (For each station visit)		PUMP FAULT (Yes / No):
(Field Tech Initials)		
Date: 11-23-09	(98)	Flow Rate (L/min): 3000
Time: 5:23 PM	()	Cumulative Sample Volume (L): 0 FLO
		Cumulative Sample Time (min): 6803
		Atmospheric pressure (mm Hg): 28.96 28.10
		Temperature inside station unit (°F): 47.7 PUMP/40 BOX
		Battery voltage reading (volts): 12.48

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA

TA-0028

Station Location: T-1 (Tony's Rental)
Field Technician: [Signature]
Pump Type/Model: SKC AirChek 2000
Pump Number: 36446

Sample ID #: _____
Filter Lot #: 18833- 01
Sample Type: TEM
Sample Parent ID #: —

PUMP SETUP DAY

Date: 11-28-09
Time: 2:04 PM

Timer Beginning Date/Time: 11-29-09 / 12:00 AM
Beginning Flow Rate (L/min): 2000
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 12-4-09
Time: 8:38 AM

Timer Ending Date/Time: 12-4 12:00 AM
Ending Flow Rate (L/min): 2000
Total Sample Volume (L): 0520
Total Sample Time (min): 7200
Atmospheric pressure (mm Hg): 27.88
Temperature inside station unit (°F): 23.5 Pump / 19 Box

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

SIGNATURE: _____

DATE: _____

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA &
ADDITIONAL DAILY CHECK RECORDS

TA-0028

Station Location: T-1 (Tony's Rental)
 Field Technician: QA
 Pump Type/Model: SKC AirChek 2000
 Pump Number: 36446

Sample ID #:
 Filter Lot #: 18833-01

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 11-29-09 (QA)
 Time: 7:36 PM ()

PUMP FAULT (Yes / No): NO
 Flow Rate (L/min): 2000
 Cumulative Sample Volume (L): 2352
 Cumulative Sample Time (min): 1175
 Atmospheric pressure (mm Hg): 27.93
 Temperature inside station unit (°F): 46.5 Pump / 40 Box
 Battery voltage reading (volts): 12.97

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 11-30-09 (QA)
 Time: 4:42 PM ()

PUMP FAULT (Yes / No): NO
 Flow Rate (L/min): 2000
 Cumulative Sample Volume (L): 4883
 Cumulative Sample Time (min): 2441
 Atmospheric pressure (mm Hg): 27.59
 Temperature inside station unit (°F): 48.8 Pump / 43 Box
 Battery voltage reading (volts): 12.84

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 12-1-09 (QA)
 Time: 3:17 PM ()

PUMP FAULT (Yes / No): NO
 Flow Rate (L/min): 2000
 Cumulative Sample Volume (L): 7595
 Cumulative Sample Time (min): 3797
 Atmospheric pressure (mm Hg): 27.90
 Temperature inside station unit (°F): 42.8 Pump / 37 Box
 Battery voltage reading (volts): 12.71

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 12-2-09 (QA)
 Time: 6:57 PM ()

PUMP FAULT (Yes / No): NO
 Flow Rate (L/min): 2000
 Cumulative Sample Volume (L): 0 FLO
 Cumulative Sample Time (min): 5457
 Atmospheric pressure (mm Hg): 28.00
 Temperature inside station unit (°F): 33.5 Pump / 28 Box
 Battery voltage reading (volts): 12.58

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 12-3-09 (QA)
 Time: 6:52 PM ()

PUMP FAULT (Yes / No): NO
 Flow Rate (L/min): 2000
 Cumulative Sample Volume (L): 0 FLO
 Cumulative Sample Time (min): 6893
 Atmospheric pressure (mm Hg): 27.97
 Temperature inside station unit (°F): 32.0 Pump / 26 Box
 Battery voltage reading (volts): 12.50

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA

TA-0037

Station Location: T-1 (Tony's Rental)
Field Technician: _____
Pump Type/Model: SKC AirChek 2000
Pump Number: 36446

Sample ID #: _____
Filter Lot #: 18833-
Sample Type: TEM
Sample Parent ID #: _____

PUMP SETUP DAY

Date: 12-8-09
Time: 1:39 PM

Timer Beginning Date/Time: 12-9 12:00 PM
Beginning Flow Rate (L/min): 3000
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 12-14-09
Time: 5:19 PM

Timer Ending Date/Time: 12-14 12:00 AM
Ending Flow Rate (L/min): 3000
Total Sample Volume (L): 0.620
Total Sample Time (min): 7200
Atmospheric pressure (mm Hg): 27.67
Temperature inside station unit (°F): 31.0 PUMP / 25 PUMP

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

Heater battery failed 12-13-09 w/
9 hours left on sample period did
not replace w/ new one.

SIGNATURE: DATE: 12-13-09

TETRA TECH EM INC.

OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA ADDITIONAL DAILY CHECK RECORDS

TA-0037

Station Location: T-1 (Tony's Rental)

Sample ID #:

Field Technician:

Filter Lot #: 18833-

Pump Type/Model: SKC AirChek 2000

Pump Number: 36446

DAILY CHECK (For each station visit)

 (Field Tech Initials)
 Date: 12/9/09 (VMS,) JJ
 Time: 1638 (VMS,) JJ
PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3,000Cumulative Sample Volume (L): 3,002Cumulative Sample Time (min): 1,000Atmospheric pressure (mm Hg): 27.84Temperature inside station unit (°F): 33.6 / 21 BoxBattery voltage reading (volts): 12.81 / 12.20 HEATER

DAILY CHECK (For each station visit)

 (Field Tech Initials)
 Date: 12-10-09 (JJ)
 Time: 6:37 AM ()
PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3000Cumulative Sample Volume (L): 5512Cumulative Sample Time (min): 1837Atmospheric pressure (mm Hg): 27.73Temperature inside station unit (°F): 32.1 Pump / 20 BoxBattery voltage reading (volts): 12.7112.05

DAILY CHECK (For each station visit)

 (Field Tech Initials)
 Date: 12-11-09 (JJ)
 Time: 7:33 PM ()
PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3000Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 4052Atmospheric pressure (mm Hg): 27.44Temperature inside station unit (°F): 36.3 Pump / 25 BoxBattery voltage reading (volts): 12.51Heater 11.73

DAILY CHECK (For each station visit)

 (Field Tech Initials)
 Date: 12-12-09 (JJ)
 Time: 10:22 AM ()
PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3000Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 4942Atmospheric pressure (mm Hg): 27.37Temperature inside station unit (°F): 36.0 Pump / 24 BoxBattery voltage reading (volts): 12.52Heater 11.53

DAILY CHECK (For each station visit)

 (Field Tech Initials)
 Date: 12-13-09 (JJ)
 Time: 2:50 PM ()
PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3000Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 6650Atmospheric pressure (mm Hg): 27.35 27.35Temperature inside station unit (°F): 36.6 Pump / 27 BoxBattery voltage reading (volts): 12.47Heater 5.96

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA
ADDITIONAL DAILY CHECK RECORDS

TA-0048

Station Location: T-1 (Tony's Rental)
 Field Technician: JD
 Pump Type/Model: SKC AirChek 2000
 Pump Number: 36446

Sample ID #
 Filler Lot #: 18833-02

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 12-19-09 (JD)
 Time: 3:47 PM ()

PUMP FAULT (Yes / No): no
 Flow Rate (L/min): 3000
 Cumulative Sample Volume (L): 2842
 Cumulative Sample Time (min): 947
 Atmospheric pressure (mm Hg): 27.79
 Temperature inside station unit (°F): 46.9 Pump/39 Box
 Battery voltage reading (volts): 12.91
heater - 12.83

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 12-20-09 (JD)
 Time: 10:58 AM ()

PUMP FAULT (Yes / No): no
 Flow Rate (L/min): 3000
 Cumulative Sample Volume (L): 6294
 Cumulative Sample Time (min): 2098
 Atmospheric pressure (mm Hg): 27.76
 Temperature inside station unit (°F): 54.7 Pump/40 Box
 Battery voltage reading (volts): 12.79
heater - 12.56

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 12-21-09 (JD)
 Time: 5:24 PM ()

PUMP FAULT (Yes / No): no
 Flow Rate (L/min): 3000
 Cumulative Sample Volume (L): 0FL0
 Cumulative Sample Time (min): 3925
 Atmospheric pressure (mm Hg): 27.47
 Temperature inside station unit (°F): 57.3 Pump/42 Box
 Battery voltage reading (volts): 12.65
heater - 12.16

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 12-22-09 (JD)
 Time: 6:19 PM ()

PUMP FAULT (Yes / No): no
 Flow Rate (L/min): 3000
 Cumulative Sample Volume (L): 0FL0
 Cumulative Sample Time (min): 5419
 Atmospheric pressure (mm Hg): 27.78
 Temperature inside station unit (°F): 54.6 Pump/40 Box
 Battery voltage reading (volts): 12.57
heater - 11.91

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 12-23-09 (JD)
 Time: 7:05 PM ()

PUMP FAULT (Yes / No): no
 Flow Rate (L/min): 3000
 Cumulative Sample Volume (L): 0FL0
 Cumulative Sample Time (min): 6905
 Atmospheric pressure (mm Hg): 28.14
 Temperature inside station unit (°F): 46.6 Pump/33 Box
 Battery voltage reading (volts): 12.48
heater - 11.61

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA S

TA-0048

Station Location: T-1 (Tony's Rental)
Field Technician: JA
Pump Type/Model: SKC AirChek 2000
Pump Number: 36446

Sample ID #: _____
Filter Lot #: 18833- 02
Sample Type: TEM
Sample Parent ID #: TA-0048

PUMP SETUP DAY

12:00AM

Date: 12-18-09 Timer Beginning Date/Time: 12-19-09
Time: 3:43 pm Beginning Flow Rate (L/min): 3000
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

12:00AM

Date: 12-24-09 Timer Ending Date/Time: 12-24-09
Time: 3:06 pm Ending Flow Rate (L/min): 3000
Total Sample Volume (L): 0FL0
Total Sample Time (min): 7200
Atmospheric pressure (mm Hg): 28.24
Temperature inside station unit (°F): 39.9 pump/29.80x

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

SIGNATURE: _____

DATE: _____

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA

TA-0057

Station Location: T-1 (Tony's Rental)
Field Technician: GG
Pump Type/Model: SKC AirChek 2000
Pump Number: 36446

Sample ID #: _____
Filter Lot #: 18833- 02
Sample Type: TEM
Sample Parent ID #: TA-0057

PUMP SETUP DAY

Date: 12-28-09 Timer Beginning Date/Time: 12-29-09 12:00 AM
Time: 4:26 PM Beginning Flow Rate (L/min): ~~5000~~ 3
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 1-3-10 Timer Ending Date/Time: 1-2-10 12:00 AM
Time: 2:37 PM Ending Flow Rate (L/min): 3
Total Sample Volume (L): 0FL0
Total Sample Time (min): 72.00
Atmospheric pressure (mm Hg): 28.12 INS
Temperature inside station unit (°F): 48.4 Pump/37 BOX

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

Pump

Atmospheric pressure reading
changed to indicate what
shows on pump screen.

MC
5 JAN 10

SIGNATURE:

DATE:

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA SHEET

ADDITIONAL DAILY CHECK RECORDS

TA-0057

Station Location: T-1 (Tony's Rental)

Sample ID #:

Field Technician: GBFilter Lot #: 18833-02Pump Type/Model: SKC AirChek 2000Pump Number: 36446

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 12-29-09 (GB)Time: 6:54 PM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3000 93Cumulative Sample Volume (L): 3403Cumulative Sample Time (min): 1134Atmospheric pressure (mm Hg): 27.77 insTemperature inside station unit (°F): 44.7 PUMP/30 BOXBattery voltage reading (volts): 12.93heater - 12.49

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 12-30-09 (GB)Time: 6:52 ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3000 93Cumulative Sample Volume (L): 7717Cumulative Sample Time (min): 2572Atmospheric pressure (mm Hg): 27.86Temperature inside station unit (°F): 47.3 PUMP/33 BOXBattery voltage reading (volts): 12.73heater - 12.28

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 12-31-09 (GB)Time: 9:50 AM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3000 93Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 3471Atmospheric pressure (mm Hg): 27.92 insTemperature inside station unit (°F): 47.9 PUMP/34 BOXBattery voltage reading (volts): 12.64heaters - 12.10

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-1-10 (GB)Time: 12:00 PM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 5040Atmospheric pressure (mm Hg): 27.79 insTemperature inside station unit (°F): 51.6 PUMP/37 BOXBattery voltage reading (volts): 12.55heater - 11.95 5380

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-2-10 (GB)Time: 11:02 AM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 6422Atmospheric pressure (mm Hg): 28.02 insTemperature inside station unit (°F): 55.3 PUMP/40 BOXBattery voltage reading (volts): 12.46heater - 11.66

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA

TA-0066

Station Location: T-1 (Tony's Rental)
Field Technician: gg
Pump Type/Model: SKC AirChek 2000
Pump Number: 36446

Sample ID # _____
Filter Lot #: 18833-02
Sample Type: TEM
Sample Parent ID #: TA-0066

PUMP SETUP DAY

Date: 1-7-10
Time: 3:26 pm

Timer Beginning Date/Time: 1-8-10 12:00 AM
Beginning Flow Rate (L/min): 3000 3
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 1-13-10
Time: 0940 am

Timer Ending Date/Time: 12:00 am 1/13/09
Ending Flow Rate (L/min): 3
Total Sample Volume (L): 0FLD
Total Sample Time (min): 7,200
Atmospheric Pressure (INS): 27.64
Temperature inside station unit (°F): 41.9 pump, 36 Box

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

SIGNATURE: DATE: 1-13-10

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA
ADDITIONAL DAILY CHECK RECORD:

TA-0066

Station Location: T-1 (Tony's Rental)

Sample ID

Field Technician: JDFilter Lot #: 18833-02Pump Type/Model: SKC AirChek 2000Pump Number: 36446

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 1-8-10 (JD)Flow Rate (L/min): 3Time: 12:10 PM ()Cumulative Sample Volume (L): 2189Cumulative Sample Time (min): 729Atmospheric pressure (mm Hg): 28.22Temperature inside station unit (°F): 35.9 Pump / 22 BoxBattery voltage reading (volts): 12.92heater - 12.65

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 1-9-10 (JD)Flow Rate (L/min): 3Time: 10:54 AM ()Cumulative Sample Volume (L): 6281Cumulative Sample Time (min): 2093Atmospheric Pressure (INS) 28.18Temperature inside station unit (°F): 39.6 Pump / 26 BoxBattery voltage reading (volts): 12.75heater - 12.28

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 1-10-11 (JD)Flow Rate (L/min): 3Time: 11:57 AM ()Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 3597Atmospheric Pressure (INS) 28.20Temperature inside station unit (°F): 47.9 Pump / 34 BoxBattery voltage reading (volts): 12.59heater - 11.96

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 1-11-10 (JD)Flow Rate (L/min): 3Time: 7:54 AM ()Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 4795Atmospheric Pressure (INS) 28.01Temperature inside station unit (°F): 49.9 Pump / 37 BoxBattery voltage reading (volts): 12.4911.74

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 1/12/10 (MAS)Flow Rate (L/min): 3Time: 11:47 AM (MAS)Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 6467Atmospheric Pressure (INS) 27.70Temperature inside station unit (°F): 52.9 Pump, 39 BoxBattery voltage reading (volts): 12.39Heater 11.27

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA

TA-0077

Station Location: T-1 (Tony's Rental)
Field Technician: AG
Pump Type/Model: SKC AirChek 2000
Pump Number: 36446

Sample ID #: _____
Filter Lot #: 18833-02
Sample Type: TEM
Sample Parent ID #: TA-0077

PUMP SETUP DAY

Date: 1-17-10
Time: 2:54 PM

Timer Beginning Date/Time: 1-18-10 12:00 AM
Beginning Flow Rate (L/min): 3
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 1-23-10
Time: 9:23 AM

Timer Ending Date/Time: 1-23-10 12:00 AM
Ending Flow Rate (L/min): 3
Total Sample Volume (L): 0 FL0
Total Sample Time (min): 7200
Atmospheric Pressure (INS): 27.42
Temperature inside station unit (°F): 46.8 Pump / 34 Box

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

changed out dead heater battery on
1-22-10

SIGNATURE: Joe JordanDATE: 1-23-10

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA

ADDITIONAL DAILY CHECK RECORDS

TA-0077

Station Location: T-1 (Tony's Rental)

Sample ID #:

Field Technician: JDFilter Lot #: 18833-02Pump Type/Model: SKC AirChek 2000Pump Number: 36446

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-18-10 (JD)Time: 11:08 AM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3Cumulative Sample Volume (L): 2003Cumulative Sample Time (min): 667Atmospheric pressure (mm Hg): 27.44Temperature inside station unit (°F): 56.2 pump/41 BoxBattery voltage reading (volts): 12.87heater - 12.36

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-19-10 (JD)Time: 11:00 AM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3Cumulative Sample Volume (L): 6301Cumulative Sample Time (min): 2100Atmospheric Pressure (INS): 27.31Temperature inside station unit (°F): 55.1 pump/41 BoxBattery voltage reading (volts): 12.66heater - 11.90

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-20-10 (JD)Time: 1:06 PM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3Cumulative Sample Volume (L): 0820Cumulative Sample Time (min): 3666Atmospheric Pressure (INS): 27.20Temperature inside station unit (°F): 54.2 pump/40 BoxBattery voltage reading (volts): 12.54heater - 11.55

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-21-10 (JD)Time: 8:24 AM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3Cumulative Sample Volume (L): 0820Cumulative Sample Time (min): 4824Atmospheric Pressure (INS): 27.14Temperature inside station unit (°F): 49.5 pump/35 BoxBattery voltage reading (volts): 12.47heater - 11.07

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-22-10 (JD)Time: 12:24 PM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3Cumulative Sample Volume (L): 0820Cumulative Sample Time (min): 6504Atmospheric Pressure (INS): 27.00Temperature inside station unit (°F): 40.5 pump/32 BoxBattery voltage reading (volts): 12.39heater - 7.01

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA SHEET (FSDS)

Station Location: T- 2
Field Technician: MAS, JJ
Pump Type/Model: SKC AirChek 2000
Pump Number: 36432

Sample ID #: **TA-0006**
Filter ID #: 18833-01
Sample Type: TEM
Sample Parent ID #: TA-0006

START DAY

Date: 10/30/09 Timer Beginning Time: 12:00 AM
Time: 12:00 AM Beginning Flow Rate (L/min): 3 LPM
Atmospheric pressure (mm Hg):
Temperature inside station unit (°F):

STOP DAY

Date: 11/4/09 Timer Ending Time: 12:00 AM
Time: 11:05 AM Ending Flow Rate (L/min): 3000
Total Sample Volume (L): 0FLO
Total Sample Time (min): 6484
Atmospheric pressure (mm Hg): 28.01
Temperature inside station unit (°F): 54.3°

DAILY CHECK (complete separate DAILY CHECK for each station visit - additional records on back)

(Field Tech Initials) PUMP FAULT (Yes / No): Yes
Date: 10/30/09 (JJ) Timer Time (min): 342
Time: 11:10 AM () Flow Rate (L/min): 3000 mL/min
Cumulative Sample Volume (L): 1027
Cumulative Sample Time (min): 342
Atmospheric pressure (mm Hg): 27.73 ins
Temperature inside station unit (°F): 43.8°
Battery voltage reading (volts): ~~12.72~~ 12.79

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

PUMP STOPPED because of flow fault. Was
going to reprogram a backup pump and use.
When I went back to change out pump
was running fine Timer Time was 386. I
left pump 2 there did not change out.
Added store Thermometer inside box 10/31/09

SIGNATURE: JJDATE: 10/30/09

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA SHEET (ESDS)

ADDITIONAL DAILY CHECK RECORDS

TA-0006

Station Location: T- 2
 Field Technician: GP
 Pump Type/Model: SKC AirChek 2000
 Pump Number: 36432

Sample ID #: _____
 Filter ID #: 18833-01

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 10/31/09 (GP)
 Time: 10:03 am ()

PUMP FAULT (Yes / No): NO
 Timer Time (min): 1704
 Flow Rate (L/min): 3000
 Cumulative Sample Volume (L): 5113
 Cumulative Sample Time (min): 1704
 Atmospheric pressure (mm Hg): 27.58
 Temperature inside station unit (°F): 55.2
 Battery voltage reading (volts): 12.62

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 11/1/09 (GP)
 Time: 1:48 pm ()

PUMP FAULT (Yes / No): NO
 Timer Time (min): 3428
 Flow Rate (L/min): 3000
 Cumulative Sample Volume (L): 0 FLO
 Cumulative Sample Time (min): 3428
 Atmospheric pressure (mm Hg): 28.09
 Temperature inside station unit (°F): 58.1 Pump / 55 box
 Battery voltage reading (volts): 12.56

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 11-2-09 (GP)
 Time: 8:54 am ()

PUMP FAULT (Yes / No): NO
 Timer Time (min): 4200
 Flow Rate (L/min): 3000
 Cumulative Sample Volume (L): 0 FLO
 Cumulative Sample Time (min): 4200
 Atmospheric pressure (mm Hg): 28.11
 Temperature inside station unit (°F): 38.4 Pump / 32 box
 Battery voltage reading (volts): 12.47

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 11-3-09 (GP)
 Time: 9:13 am ()

PUMP FAULT (Yes / No): NO
 Timer Time (min): 5658
 Flow Rate (L/min): 3000
 Cumulative Sample Volume (L): 0 FLO
 Cumulative Sample Time (min): 5658
 Atmospheric pressure (mm Hg): 28.10
 Temperature inside station unit (°F): 38.7 Pump / 34 box
 Battery voltage reading (volts): 12.43

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 11/4/09 (ms)
 Time: 11:05 am (ms)

PUMP FAULT (Yes / No): _____
 Timer Time (min): _____
 Flow Rate (L/min): _____
 Cumulative Sample Volume (L): _____
 Cumulative Sample Time (min): _____
 Atmospheric pressure (mm Hg): _____
 Temperature inside station unit (°F): _____
 Battery voltage reading (volts): 12.52

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA SHEET (5050)

TA-0011

Station Location: T-2 (Fire Station)
Field Technician: OG
Pump Type/Model: SKC AirChek 2000
Pump Number: 36424

Sample ID #: _____
Filter Lot #: 18833-01
Sample Type: TEM
Sample Parent ID #: TA-0011

START DAY

Date: 11-09-09 Timer Beginning Time: 12:00 AM
Time: 12:00 AM Beginning Flow Rate (L/min): 3000
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

STOP DAY

Date: 11/10/09 Timer Ending Time: 7200 12:00 AM
Time: 2:54 PM Ending Flow Rate (L/min): 3000
Total Sample Volume (L): 0 FLO
Total Sample Time (min): 7200
Atmospheric pressure (mm Hg): 27.79
Temperature inside station unit (°F): 40.2 Pump / 47 Box

DAILY CHECK (complete separate DAILY CHECK for each station visit - additional records on back)

(Field Tech Initials) _____ PUMP FAULT (Yes / No): _____
Date: _____ () Flow Rate (L/min): _____
Time: _____ () Cumulative Sample Volume (L): _____
Cumulative Sample Time (min): _____
Atmospheric pressure (mm Hg): _____
Temperature inside station unit (°F): _____
Battery voltage reading (volts): _____

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

SIGNATURE: _____

DATE: _____

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA SHEET (ESDS)

ADDITIONAL DAILY CHECK RECORDS

TA-0011

Station Location: T-2 (Fire Station)

Sample ID #:

Field Technician: 99Filter Lot #: 18833-01

Pump Type/Model: SKC AirChek 2000

Pump Number: 36424

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-9-09 (99)Time: 7:27 AM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3000Cumulative Sample Volume (L): 1342Cumulative Sample Time (min): 447Atmospheric pressure (mm Hg): 27.81Temperature inside station unit (°F): 45.3 PUMP / 38 BOXBattery voltage reading (volts): 12.34

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-10-09 (99)Time: 2:33 PM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3000Cumulative Sample Volume (L): 6940Cumulative Sample Time (min): 2313Atmospheric pressure (mm Hg): 27.85Temperature inside station unit (°F): 63 PUMP / 56 BOXBattery voltage reading (volts): 12.69

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-11-09 (99)Time: 11:25 AM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3000Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 3565Atmospheric pressure (mm Hg): 27.60Temperature inside station unit (°F): 46.2 PUMP / 40 BOXBattery voltage reading (volts): 12.56

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-12-09 (99)Time: 2:06 PM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3000Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 5165Atmospheric pressure (mm Hg): 27.53Temperature inside station unit (°F): 50.4 PUMP / 44 BOXBattery voltage reading (volts): 12.48

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-13-09 (99)Time: 2:07 PM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3000Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 6606Atmospheric pressure (mm Hg): 27.35Temperature inside station unit (°F): 45.1 PUMP / 58 BOXBattery voltage reading (volts): 12.41

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA S
ADDITIONAL DAILY CHECK RECORDS

TA-0020

Station Location: T-2 (Fire Station)		Sample ID #:
Field Technician: <u>JD</u>		Filter Lot #: <u>18833-01</u>
Pump Type/Model: <u>SKC AirChek 2000</u>		
Pump Number: <u>36424</u>		

DAILY CHECK (For each station visit)		
(Field Tech Initials)		PUMP FAULT (Yes / No): <u>NO</u>
Date: <u>11-19-09</u> (<u>JD</u>)		Flow Rate (L/min): <u>3000</u>
Time: <u>9:08 AM</u> ()		Cumulative Sample Volume (L): <u>1646</u>
		Cumulative Sample Time (min): <u>548</u>
		Atmospheric pressure (mm Hg): <u>27.66</u>
		Temperature inside station unit (°F): <u>50.1 PUMP / 44 Box</u>
		Battery voltage reading (volts): <u>12.92</u>
	<u>Bulb heater</u>	<u>12.35</u>

DAILY CHECK (For each station visit)		
(Field Tech Initials)		PUMP FAULT (Yes / No): <u>NO</u>
Date: <u>11-20-09</u> (<u>JD</u>)		Flow Rate (L/min): <u>3000</u>
Time: <u>8:53 AM</u> ()		Cumulative Sample Volume (L): <u>5920</u>
		Cumulative Sample Time (min): <u>1974</u>
		Atmospheric pressure (mm Hg): <u>27.38</u>
		Temperature inside station unit (°F): <u>53.0 PUMP / 46 Box</u>
		Battery voltage reading (volts): <u>12.77</u>
	<u>Bulb</u>	<u>11.90</u>

DAILY CHECK (For each station visit)		
(Field Tech Initials)		PUMP FAULT (Yes / No): <u>NO</u>
Date: <u>11-21-09</u> (<u>JD</u>)		Flow Rate (L/min): <u>3000</u>
Time: <u>4:27 PM</u> ()		Cumulative Sample Volume (L): <u>0 FLO</u>
		Cumulative Sample Time (min): <u>3868</u>
		Atmospheric pressure (mm Hg): <u>27.62</u>
		Temperature inside station unit (°F): <u>54.1 PUMP / 48 Box</u>
		Battery voltage reading (volts): <u>12.62</u>
	<u>Bulb</u>	<u>2.97</u>

DAILY CHECK (For each station visit)		
(Field Tech Initials)		PUMP FAULT (Yes / No): <u>NO</u>
Date: <u>11-22-09</u> (<u>JD</u>)		Flow Rate (L/min): <u>3000</u>
Time: <u>1:25 PM</u> ()		Cumulative Sample Volume (L): <u>0 FLO</u>
		Cumulative Sample Time (min): <u>5125</u>
		Atmospheric pressure (mm Hg): <u>27.37</u>
		Temperature inside station unit (°F): <u>47.5 PUMP / 42 Box</u>
		Battery voltage reading (volts): <u>12.53</u>
	<u>Bulb</u>	<u>0.65</u>

DAILY CHECK (For each station visit)		
(Field Tech Initials)		PUMP FAULT (Yes / No): <u>NO</u>
Date: <u>11-23-09</u> (<u>JD</u>)		Flow Rate (L/min): <u>3000</u>
Time: <u>5:16 PM</u> ()		Cumulative Sample Volume (L): <u>0 FLO</u>
		Cumulative Sample Time (min): <u>6797</u>
		Atmospheric pressure (mm Hg): <u>28.02</u>
		Temperature inside station unit (°F): <u>58.4 PUMP / 52 Box</u>
		Battery voltage reading (volts): <u>12.46</u>
	<u>Bulb 2nd</u>	<u>11.91</u>
	<u>Battery</u>	

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA S

TA-0020

Station Location: T-2 (Fire Station)
Field Technician: JP
Pump Type/Model: SKC AirChek 2000
Pump Number: 36424

Sample ID #: _____
Filter Lot #: 18833-01
Sample Type: TEM
Sample Parent ID #: —

PUMP SETUP DAY

Date: 11-18-09 Timer Beginning Date/Time: 11-19-09/12:00 AM
Time: 2:57 PM Beginning Flow Rate (L/min): 3000
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 11-24-09 Timer Ending Date/Time: 11-24-09/12:00 AM
Time: 10:00 AM Ending Flow Rate (L/min): 3000
Total Sample Volume (L): 0 FLO
Total Sample Time (min): 7200
Atmospheric pressure (mm Hg): 27.98
Temperature inside station unit (°F): 50.5 Pump/48.00x

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

changed out bulb battery 11-22-09

SIGNATURE: _____

DATE: _____

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA

TA-0029

Station Location: T-2 (Fire Station)
Field Technician: [Signature]
Pump Type/Model: SKC AirChek 2000
Pump Number: 36424

Sample ID #: _____
Filter Lot #: 18833- 01
Sample Type: TEM
Sample Parent ID #: _____

PUMP SETUP DAY

Date: 11-28-09
Time: 2:03 pm

Timer Beginning Date/Time: 11-29-09 / 12:00 AM
Beginning Flow Rate (L/min): 2000
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 12-4-09
Time: 8:45 am

Timer Ending Date/Time: 12-4-09 / 12:00 AM
Ending Flow Rate (L/min): 2000
Total Sample Volume (L): 0.520
Total Sample Time (min): 7200
Atmospheric pressure (mm Hg): 27.82
Temperature inside station unit (°F): 25.2

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

SIGNATURE: _____

DATE: _____

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA
ADDITIONAL DAILY CHECK RECORDS

TA-0029

Station Location: T-2 (Fire Station)

Sample ID #:

Field Technician: QAFilter Lot #: 18833-Pump Type/Model: SKC AirChek 2000Pump Number: 36424

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-29-09 (QA)Time: 7:43 PM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 2000Cumulative Sample Volume (L): 2366Cumulative Sample Time (min): 118.3Atmospheric pressure (mm Hg): 27.82Temperature inside station unit (°F): 48.0 Pump / 43 BoxBattery voltage reading (volts): 12.87

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-30-09 (QA)Time: 4:37 PM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 2000Cumulative Sample Volume (L): 4873Cumulative Sample Time (min): 2436Atmospheric pressure (mm Hg): 27.48Temperature inside station unit (°F): 50.8 Pump / 46 BoxBattery voltage reading (volts): 12.75

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 12-1-09 (QA)Time: 3:10 PM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 2000Cumulative Sample Volume (L): 7582Cumulative Sample Time (min): 3791Atmospheric pressure (mm Hg): 27.82Temperature inside station unit (°F): 50.7 Pump / 45 BoxBattery voltage reading (volts): 12.65

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 12-2-09 (QA)Time: 7:04 PM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 2000Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 5464Atmospheric pressure (mm Hg): 27.90Temperature inside station unit (°F): 33.7 Pump / 26 BoxBattery voltage reading (volts): 12.52

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 12-3-09 (QA)Time: 6:47 PM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 2000Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 6888Atmospheric pressure (mm Hg): 27.86Temperature inside station unit (°F): 33.6 Pump / 26 BoxBattery voltage reading (volts): 12.42

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA S

TA-0038

Station Location: T-2 (Fire Station)
Field Technician: CG
Pump Type/Model: SKC AirChek 2000
Pump Number: 36424

Sample ID #: _____
Filter Lot #: 18833-01
Sample Type: TEM
Sample Parent ID #: _____

PUMP SETUP DAY

Date: 12-8-09
Time: 1:31 PM

Timer Beginning Date/Time: 12-9-09 12:00 AM
Beginning Flow Rate (L/min): ~~2000~~ 3000
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 12-14-09
Time: 5:13 PM

Timer Ending Date/Time: 12-14 12:00 AM
Ending Flow Rate (L/min): 3000
Total Sample Volume (L): 6F L0
Total Sample Time (min): 7200
Atmospheric pressure (mm Hg): 27.63
Temperature inside station unit (°F): 35.4 Pump / 27 Box

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

SIGNATURE:

DATE:

TETRA TECH EM INC.

007 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA ADDITIONAL DAILY CHECK RECORDS

TA-0038

Station Location: T-2 (Fire Station)
 Field Technician: MS, JJ
 Pump Type/Model: SKC AirChek 2000
 Pump Number: 36424

Sample ID #: _____
 Filter Lot #: 18833-01

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 12/9/09 (MS, JJ)
 Time: 1632 (MS, JJ)

PUMP FAULT (Yes / No): NO
 Flow Rate (L/min): 3,000
 Cumulative Sample Volume (L): 2981
 Cumulative Sample Time (min): 993
 Atmospheric pressure (mm Hg): 27.80
 Temperature inside station unit (°F): 35.1 / 22 Box
 Battery voltage reading (volts): 12.81 / 12.48 HEATER

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 12-10-09 (99)
 Time: 6:32 AM ()

PUMP FAULT (Yes / No): NO
 Flow Rate (L/min): 3000
 Cumulative Sample Volume (L): 5496
 Cumulative Sample Time (min): 1832
 Atmospheric pressure (mm Hg): 27.74
 Temperature inside station unit (°F): 32 Pump / 19 Box
 Battery voltage reading (volts): 12.70 Pump
12.38 heater

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 12-11-09 (99)
 Time: 7:40 PM ()

PUMP FAULT (Yes / No): NO
 Flow Rate (L/min): 3000
 Cumulative Sample Volume (L): 0FLO
 Cumulative Sample Time (min): 4059
 Atmospheric pressure (mm Hg): 27.40
 Temperature inside station unit (°F): 35.8 Pump / 24 Box
 Battery voltage reading (volts): 12.55
Heater 12.18

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 12-12-09 (99)
 Time: 10:17 AM ()

PUMP FAULT (Yes / No): NO
 Flow Rate (L/min): 3000
 Cumulative Sample Volume (L): 0FLO
 Cumulative Sample Time (min): 4937
 Atmospheric pressure (mm Hg): 27.38
 Temperature inside station unit (°F): 37.8 Pump / 26 Box
 Battery voltage reading (volts): 12.48
Heater 12.07

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 12-13-09 (99)
 Time: 2:58 PM ()

PUMP FAULT (Yes / No): NO
 Flow Rate (L/min): 3000
 Cumulative Sample Volume (L): 0FLO
 Cumulative Sample Time (min): 6658
 Atmospheric pressure (mm Hg): 27.34
 Temperature inside station unit (°F): 45.2 Pump / 32 Box
 Battery voltage reading (volts): 12.45
Heater 11.87

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA
ADDITIONAL DAILY CHECK RECORDS

TA-0049

Station Location: T-2 (Fire Station)

Sample ID #

Field Technician: GT

Filter Lot #: 18833-02

Pump Type/Model: SKC AirChek 2000

Pump Number: 36424

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 12-19-09 (GT)Time: 3:56 ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3000Cumulative Sample Volume (L): 2867Cumulative Sample Time (min): 955Atmospheric pressure (mm Hg): 27.85Temperature inside station unit (F): 55.7 Pump / 43.80XBattery voltage reading (volts): 12.87heater - 12.74

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 12-20-09 (GT)Time: 11:04am ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3000Cumulative Sample Volume (L): 4317Cumulative Sample Time (min): 2105Atmospheric pressure (mm Hg): 27.72Temperature inside station unit (F): 54.1 Pump / 42.00XBattery voltage reading (volts): 12.76heater - 12.51

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 12-21-09 (GT)Time: 11:04am ()5:18pmPUMP FAULT (Yes / No): NOFlow Rate (L/min): 3000Cumulative Sample Volume (L): 4317 OF 40Cumulative Sample Time (min): 2105 3918Atmospheric pressure (mm Hg): 27.72 27.15Temperature inside station unit (F): 54.1 Pump / 42.00X 57 Pump / 45.80XBattery voltage reading (volts): 12.76 12.66heater - 12.51 12.25

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 12-22-09 (GT)Time: 6:14pm ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3000Cumulative Sample Volume (L): 0540Cumulative Sample Time (min): 5414Atmospheric pressure (mm Hg): 27.79Temperature inside station unit (F): 54.9 Pump / 44.00XBattery voltage reading (volts): 12.59heater - 12.03

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 12-23-09 (GT)Time: 7:00pm ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3000Cumulative Sample Volume (L): 0540Cumulative Sample Time (min): 6900Atmospheric pressure (mm Hg): 28.11Temperature inside station unit (F): 45.1 Pump / 34.00XBattery voltage reading (volts): 12.49heater - 11.75

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA S

TA-0049

Station Location: T-2 (Fire Station)
Field Technician: [Signature]
Pump Type/Model: SKC AirChek 2000
Pump Number: 36424

Sample ID #: _____
Filter Lot #: 18833-02
Sample Type: TEM
Sample Parent ID #: TA-0049

PUMP SETUP DAY

Date: 12-18-09
Time: 3:44 PM

Timer Beginning Date/Time: 12-19-09 12:00 AM
Beginning Flow Rate (L/min): 3000
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 12-24-09
Time: 2:59 PM

Timer Ending Date/Time: 12-24-09 12:00 AM
Ending Flow Rate (L/min): 3000
Total Sample Volume (L): 0.40
Total Sample Time (min): 7200
Atmospheric pressure (mm Hg): 28.15
Temperature inside station unit (°F): 35.4 Pump / 31 Box

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

SIGNATURE:

DATE:

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA

TA-0058

Station Location: T-2 (Fire Station)

Sample ID #:

Field Technician: JA

Filter Lot #: 18833-02

Pump Type/Model: SKC AirChek 2000

Sample Type: TEM

Pump Number: 36424

Sample Parent ID #: TA-0058

PUMP SETUP DAY

Date: 12-28-09

Timer Beginning Date/Time: 12-29-09 12:00 AM

Time: 4:27 PM

Beginning Flow Rate (L/min): 3000 3

Pump Programmed (Yes / No): Yes

Bios Calibration Within 10 mL (Yes / No) Yes

PUMP RETRIEVAL DAY

Date: 1-3-10

Timer Ending Date/Time: 1-2-10 12:00 AM

Time: 2:31 PM

Ending Flow Rate (L/min): 3

Total Sample Volume (L): 0.620

Total Sample Time (min): 7200

Atmospheric pressure (mm Hg): 27.98 INS

Temperature inside station unit (°F): 43.8 Pump/4 Box

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

Ambient

Atmospheric pressure reading reflects
what pump shows

SIGNATURE:

DATE:

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA

ADDITIONAL DAILY CHECK RECORDS

TA-0058

Station Location: T-2 (Fire Station)

Sample ID #:

Field Technician: JBFilter Lot #: 18833-02Pump Type/Model: SKC AirChek 2000Pump Number: 36424

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): noDate: 12-29-09 (JB)Flow Rate (L/min): 3000/3Time: 6:48 PM ()Cumulative Sample Volume (L): 3383Cumulative Sample Time (min): 1127Atmospheric pressure (mm Hg): 27.62 insTemperature inside station unit (°F): 43.5 Pump/34 BoxBattery voltage reading (volts): 12.89heater - 12.62

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): noDate: 12-30-09 (JB)Flow Rate (L/min): 3000/3Time: 6:45 PM ()Cumulative Sample Volume (L): 7696Cumulative Sample Time (min): 2565Atmospheric pressure (mm Hg): 27.70 insTemperature inside station unit (°F): 46.0 Pump/36 BoxBattery voltage reading (volts): 12.74heater - 12.25

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): noDate: 12-31-09 (JB)Flow Rate (L/min): 3000/3Time: 9:45 AM ()Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 3466Atmospheric pressure (mm Hg): 27.79 insTemperature inside station unit (°F): 46.3 Pump/36 BoxBattery voltage reading (volts): 12.67heater - 12.04

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): noDate: 1-1-10 (JB)Flow Rate (L/min): 3Time: 11:53 AM ()Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 5034Atmospheric pressure (mm Hg): 27.70 insTemperature inside station unit (°F): 51 Pump/40 BoxBattery voltage reading (volts): 12.59heater - 11.75

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): noDate: 1-2-10 (JB)Flow Rate (L/min): 3Time: 10:54 AM ()Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 6414Atmospheric pressure (mm Hg): 27.90 INSTemperature inside station unit (°F): 53.3 Pump/45 BoxBattery voltage reading (volts): 12.51heater - 11.37

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA
ADDITIONAL DAILY CHECK RECORDS

TA-0076

Station Location: T-2 (Fire Station)

Sample ID #

Field Technician: gg

Filter Lot #: 18833-02

Pump Type/Model: SKC AirChek 2000

Pump Number: ~~36424~~ 36423

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-10-10 (gg)Time: 11:50 AM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3Cumulative Sample Volume (L): 2131Cumulative Sample Time (min): 710Atmospheric Pressure (INS): 28.18Temperature inside station unit (°F): 44.0 Pump/37 BoxBattery voltage reading (volts): 12.83heater - 9.47

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-11-10 (gg)Time: 7:47 AM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3Cumulative Sample Volume (L): 5725Cumulative Sample Time (min): 1909Atmospheric Pressure (INS): 28.02Temperature inside station unit (°F): 51.9 Pump/38 BoxBattery voltage reading (volts): 12.70heater - 12.37

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-12-10 (gg)Time: 11:38 ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3Cumulative Sample Volume (L): 0FLOCumulative Sample Time (min): 3581Atmospheric Pressure (INS): 27.71Temperature inside station unit (°F): 55.9 Pump/41 BoxBattery voltage reading (volts): 12.56heater - 12.13

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-13-10 (gg)Time: 0932 (mas)PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3Cumulative Sample Volume (L): 0FLOCumulative Sample Time (min): 4893Atmospheric Pressure (INS): 27.81Temperature inside station unit (°F): 55.9 Pump, 42 BoxBattery voltage reading (volts): 12.47HEATER - 11.92

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-14-10 (gg)Time: 6:42 PM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3Cumulative Sample Volume (L): 0FLOCumulative Sample Time (min): 6882Atmospheric Pressure (INS): 28.13Temperature inside station unit (°F): 59.1 Pump/45 BoxBattery voltage reading (volts): 12.42heater - 11.61

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA S

TA-0076

Station Location: T-2 (Fire Station)
Field Technician: JD
Pump Type/Model: SKC AirChek 2000
Pump Number: 36423

Sample ID #: TA-0076
Filter Lot #: 18833- 02
Sample Type: TEM
Sample Parent ID #: TA-0076

PUMP SETUP DAY

Date: 1-9-10
Time: 11:49 AM

Timer Beginning Date/Time: 1-10-10 12:00 AM
Beginning Flow Rate (L/min): 3
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 1-15-10
Time: 10:54 AM

Timer Ending Date/Time: 1-14-10 12:00 AM
Ending Flow Rate (L/min): 3
Total Sample Volume (L): 0.60
Total Sample Time (min): 7200
Atmospheric Pressure (INS): 28.01
Temperature inside station unit (°F): 54.2 Pump/41 Box

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

Pump failure on first daily check took pump back to office checked out calibration and schedules looked fine downloaded what pump history there was. Took pump back out to station. Pump failure on second daily check. Brought pump back to office. replaced pump with backup pump (serial # 36423) (downloaded second day history)

On first pump failure I replaced sample cassette TA0067 with TA0075. On second failure I replaced sample cassette TA0075 with TA0076. (old sample cassettes were voided)

Heater battery dead, changed out with fully charged battery (1/8/10 MC)

SIGNATURE: JD

DATE: 1-8-10/1-9-10/1-10-10/1-15-10

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA S

TA-0078

Station Location: T-2 (Fire Station)
Field Technician: GA
Pump Type/Model: SKC AirChek 2000
Pump Number: 36423

Sample ID #: _____
Filter Lot #: 18833-02
Sample Type: TEM
Sample Parent ID #: TA-0078

PUMP SETUP DAY

Date: 1-17-10
Time: 2:56 PM

Timer Beginning Date/Time: 1-18-10 12:00 AM
Beginning Flow Rate (L/min): 3
Pump Programmed (Yes / No): YES
Bios Calibration Within 10 mL (Yes / No): YES

PUMP RETRIEVAL DAY

Date: 1-23-10
Time: 9:33 AM

Timer Ending Date/Time: 1-23-10 12:00 AM
Ending Flow Rate (L/min): 3
Total Sample Volume (L): 0 FLO
Total Sample Time (min): 7200
Atmospheric Pressure (INS): 27.41
Temperature inside station unit (°F): 39.9 Pump / 33 Box

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

SIGNATURE: DATE: 1-23-10

TETRA TECH EM INC.
OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA
ADDITIONAL DAILY CHECK RECORDS

TA-0078

Station Location: <u>T-2 (Fire Station)</u>		Sample ID #: _____
Field Technician: <u>gg</u>		Filter Lot #: <u>18833-02</u>
Pump Type/Model: <u>SKC AirChek 2000</u>		
Pump Number: <u>36423</u>		

DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No): <u>NO</u>
Date: <u>1-18-10</u> (<u>gg</u>)	Flow Rate (L/min): <u>3</u>
Time: <u>11:03 AM</u> ()	Cumulative Sample Volume (L): <u>1990</u>
	Cumulative Sample Time (min): <u>663</u>
	Atmospheric Pressure (INS): <u>27.58</u>
	Temperature inside station unit (°F): <u>59.4 PUMP / 45 BOX</u>
	Battery voltage reading (volts): <u>12.87</u>
	<u>heater - 12.56</u>

DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No): <u>NO</u>
Date: <u>1-19-10</u> (<u>gg</u>)	Flow Rate (L/min): <u>3</u>
Time: <u>11:07 AM</u> ()	Cumulative Sample Volume (L): <u>6322</u>
	Cumulative Sample Time (min): <u>2107</u>
	Atmospheric Pressure (INS): <u>27.44</u>
	Temperature inside station unit (°F): <u>57.8 PUMP / 44 BOX</u>
	Battery voltage reading (volts): <u>12.68</u>
	<u>heater - 12.12</u>

DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No): <u>NO</u>
Date: <u>1-20-10</u> (<u>gg</u>)	Flow Rate (L/min): <u>3</u>
Time: <u>1:01 PM</u> ()	Cumulative Sample Volume (L): <u>0 FL0</u>
	Cumulative Sample Time (min): <u>3661</u>
	Atmospheric Pressure (INS): <u>27.35</u>
	Temperature inside station unit (°F): <u>57.8 PUMP / 43 BOX</u>
	Battery voltage reading (volts): <u>12.57</u>
	<u>heater - 11.89</u>

DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No): <u>NO</u>
Date: <u>1-21-10</u> (<u>gg</u>)	Flow Rate (L/min): <u>3</u>
Time: <u>8:36 AM</u> ()	Cumulative Sample Volume (L): <u>0 FL0</u>
	Cumulative Sample Time (min): <u>4836</u>
	Atmospheric Pressure (INS): <u>27.25</u>
	Temperature inside station unit (°F): <u>50.4 PUMP / 36 BOX</u>
	Battery voltage reading (volts): <u>12.50</u>
	<u>heater - 11.66</u>

DAILY CHECK (For each station visit)	
(Field Tech Initials)	PUMP FAULT (Yes / No): <u>NO</u>
Date: <u>1-22-10</u> (<u>gg</u>)	Flow Rate (L/min): <u>3</u>
Time: <u>12:18 PM</u> ()	Cumulative Sample Volume (L): <u>0 FL0</u>
	Cumulative Sample Time (min): <u>6498</u>
	Atmospheric Pressure (INS): <u>27.19</u>
	Temperature inside station unit (°F): <u>52.2 PUMP / 39 BOX</u>
	Battery voltage reading (volts): <u>12.43</u>
	<u>heater - 11.14</u>

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA SHEET (ESD)

ADDITIONAL DAILY CHECK RECORDS

TA-0008

Station Location: T-3

Sample ID #

Field Technician: (initials)

Filter ID #

Pump Type/Model: SKC AirChek 2000

Pump Number: 36442

18833-01

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 10/31/09 (initials)

Time: 10:21 am ()

PUMP FAULT (Yes / No): NO

Timer Time (min): 2061

Flow Rate (L/min): 3000

Cumulative Sample Volume (L): 6184

Cumulative Sample Time (min): 2061

Atmospheric pressure (mm Hg): 27.60

Temperature inside station unit (°F): 57.9

Battery voltage reading (volts): 12.61

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-01-09 (initials)

Time: 1:22 pm ()

PUMP FAULT (Yes / No): NO

Timer Time (min): 3741

Flow Rate (L/min): 3000

Cumulative Sample Volume (L): 0 FLO

Cumulative Sample Time (min): 3741

Atmospheric pressure (mm Hg): 28.13

Temperature inside station unit (°F): 65.1 PUMP / 56 box

Battery voltage reading (volts): 12.46

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-2-09 (initials)

Time: 9:10 am ()

PUMP FAULT (Yes / No): NO

Timer Time (min): 4931

Flow Rate (L/min): 3000

Cumulative Sample Volume (L): 0 FLO

Cumulative Sample Time (min): 4931

Atmospheric pressure (mm Hg): 28.03

Temperature inside station unit (°F): 41.1 PUMP / 33 box

Battery voltage reading (volts): 12.46

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-3-09 (initials)

Time: 9:29 am ()

PUMP FAULT (Yes / No): NO

Timer Time (min): 6390

Flow Rate (L/min): 3000

Cumulative Sample Volume (L): 0 FLO

Cumulative Sample Time (min): 6390

Atmospheric pressure (mm Hg): 28.03

Temperature inside station unit (°F): 41.9 PUMP / 32 box

Battery voltage reading (volts): 12.41

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11/4/09 (initials)

Time: 11:20 am (initials)

PUMP FAULT (Yes / No):

Timer Time (min):

Flow Rate (L/min):

Cumulative Sample Volume (L):

Cumulative Sample Time (min):

Atmospheric pressure (mm Hg):

Temperature inside station unit (°F):

Battery voltage reading (volts): 12.49

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA SHEET (FSDS)

Station Location: T- 3
Field Technician: MAS, JJ
Pump Type/Model: SKC AirChek 2000
Pump Number: 36442

Sample ID #: TA-0008
Filter ID #: 18833-01
Sample Type: TEM
Sample Parent ID #: TA-0008

START DAY

Date: 10/30/09
Time: 12:00am
Timer Beginning Time: 12:00am
Beginning Flow Rate (L/min): 3 LPM
Atmospheric pressure (mm Hg):
Temperature inside station unit (°F):

STOP DAY

Date: 11/4/09
Time: 11:20am
Timer Ending Time: 12:00am
Ending Flow Rate (L/min): 3000
Total Sample Volume (L): 0.960
Total Sample Time (min): 7200
Atmospheric pressure (mm Hg): 28.02
Temperature inside station unit (°F): 54.6°

DAILY CHECK (complete separate DAILY CHECK for each station visit - additional records on back)

(Field Tech Initials)
Date: 10/30/09 (JJ)
Time: 11:30am
PUMP FAULT (Yes / No): NO
Timer Time (min): 689
Flow Rate (L/min): 3000 mL/min
Cumulative Sample Volume (L): 2070 mL
Cumulative Sample Time (min): 689
Atmospheric pressure (mm Hg): 27.69 ins
Temperature inside station unit (°F): 50.8°
Battery voltage reading (volts): 12.75

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

Added store thermometer inside box 10/31/09

SIGNATURE:

DATE:

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA SHEET (5000)

TA-0012

Station Location: T-3 (Water Treatment S
Field Technician:
Pump Type/Model: SKC AirChek 2000
Pump Number: 36442

Sample ID #:
Filter Lot #: 18833-01
Sample Type: TEM
Sample Parent ID #: TA-0012

START DAY

Date: 11-9-09
Time: 12:00 AM
Timer Beginning Time: 12:00 AM
Beginning Flow Rate (L/min): 3000
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

STOP DAY

Date: 11-14-09
Time: 3:13 PM
Timer Ending Time: 7:20 12:00 AM
Ending Flow Rate (L/min): 3000
Total Sample Volume (L): 0 FLU
Total Sample Time (min): 7200
Atmospheric pressure (mm Hg): 27.88
Temperature inside station unit (°F): 40.2 Pump/39 Box

~~DAILY CHECK (complete separate DAILY CHECK for each station visit - additional records on back)~~

~~(Field Tech Initials) PUMP FAULT (Yes / No):
Date: () Flow Rate (L/min):
Time: () Cumulative Sample Volume (L):
Cumulative Sample Time (min):
Atmospheric pressure (mm Hg):
Temperature inside station unit (°F):
Battery voltage reading (volts):~~

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

SIGNATURE:

DATE:

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA SHEET

ADDITIONAL DAILY CHECK RECORDS

TA-0012

Station Location: T-3 (Water Treatment S

Sample ID #

Field Technician: JBFilter Lot #: 18833-01Pump Type/Model: SKC AirChek 2000Pump Number: 36442

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-9-09 (JB)Time: 7:12 AM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3000Cumulative Sample Volume (L): 31295Cumulative Sample Time (min): 431Atmospheric pressure (mm Hg): 27.82Temperature inside station unit (°F): 44.1 Pump/34 BoxBattery voltage reading (volts): 12.94

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-10-09 (JB)Time: 2:52 PM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3000Cumulative Sample Volume (L): 6997Cumulative Sample Time (min): 2332Atmospheric pressure (mm Hg): 27.91Temperature inside station unit (°F): 62.1 Pump/52 BoxBattery voltage reading (volts): 12.74

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-11-09 (JB)Time: 11:05 AM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3000Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 3544Atmospheric pressure (mm Hg): 27.64Temperature inside station unit (°F): 45.8 Pump/35 BoxBattery voltage reading (volts): 12.62

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-12-09 (JB)Time: 2:22 PM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3000Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 5181Atmospheric pressure (mm Hg): 27.59Temperature inside station unit (°F): 53.2 Pump/43 BoxBattery voltage reading (volts): 12.52

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-13-09 (JB)Time: 1:52 PM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3000Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 6592Atmospheric pressure (mm Hg): 27.38Temperature inside station unit (°F): 46.2 Pump/35 BoxBattery voltage reading (volts): 12.45

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA S
ADDITIONAL DAILY CHECK RECORDS

TA-0021

Station Location: T-3 (Water Treatment Station)		Sample ID #:
Field Technician: <u>JD</u>		Filter Lot #: <u>18833-01</u>
Pump Type/Model: <u>SKC AirChek 2000</u>		
Pump Number: <u>36442</u>		

DAILY CHECK (For each station visit)		
(Field Tech Initials)		PUMP FAULT (Yes / No): <u>NO</u>
Date: <u>11-19-09</u> (<u>JD</u>)		Flow Rate (L/min): <u>3000</u>
Time: <u>9:23 AM</u> ()		Cumulative Sample Volume (L): <u>1690</u>
		Cumulative Sample Time (min): <u>563</u>
		Atmospheric pressure (mm Hg): <u>27.72</u>
		Temperature inside station unit (°F): <u>43.2 PUMP / 32 BOX</u>
		Battery voltage reading (volts): <u>12.87</u>

DAILY CHECK (For each station visit)		
(Field Tech Initials)		PUMP FAULT (Yes / No): <u>NO</u>
Date: <u>11-20-09</u> (<u>JD</u>)		Flow Rate (L/min): <u>3000</u>
Time: <u>9:08 AM</u> ()		Cumulative Sample Volume (L): <u>5964</u>
		Cumulative Sample Time (min): <u>1988</u>
		Atmospheric pressure (mm Hg): <u>27.42</u>
		Temperature inside station unit (°F): <u>45.3 PUMP / 35 BOX</u>
		Battery voltage reading (volts): <u>12.72</u>

DAILY CHECK (For each station visit)		
(Field Tech Initials)		PUMP FAULT (Yes / No): <u>NO</u>
Date: <u>11-21-09</u> (<u>JD</u>)		Flow Rate (L/min): <u>3000</u>
Time: <u>4:40 PM</u> ()		Cumulative Sample Volume (L): <u>0 FLO</u>
		Cumulative Sample Time (min): <u>3880</u>
		Atmospheric pressure (mm Hg): <u>27.69</u>
		Temperature inside station unit (°F): <u>51.3 PUMP / 40 BOX</u>
		Battery voltage reading (volts): <u>12.61</u>

DAILY CHECK (For each station visit)		
(Field Tech Initials)		PUMP FAULT (Yes / No): <u>NO</u>
Date: <u>11-22-09</u> (<u>JD</u>)		Flow Rate (L/min): <u>3000</u>
Time: <u>1:38 PM</u> ()		Cumulative Sample Volume (L): <u>0 FLO</u>
		Cumulative Sample Time (min): <u>5138</u>
		Atmospheric pressure (mm Hg): <u>27.41</u>
		Temperature inside station unit (°F): <u>46.4 PUMP / 35 BOX</u>
		Battery voltage reading (volts): <u>12.54</u>

DAILY CHECK (For each station visit)		
(Field Tech Initials)		PUMP FAULT (Yes / No): <u>NO</u>
Date: <u>11-23-09</u> (<u>JD</u>)		Flow Rate (L/min): <u>3000</u>
Time: <u>5:33 PM</u> ()		Cumulative Sample Volume (L): <u>0 FLO</u>
		Cumulative Sample Time (min): <u>6813</u>
		Atmospheric pressure (mm Hg): <u>28.03</u>
		Temperature inside station unit (°F): <u>50.0 PUMP / 40 BOX</u>
		Battery voltage reading (volts): <u>12.45</u>

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA SHEET

TA-0021

Station Location: T-3 (Water Treatment Station) Sample ID #: 1
Field Technician: JP Filter Lot #: 18833-01
Pump Type/Model: SKC AirChek 2000 Sample Type: TEM
Pump Number: 36442 Sample Parent ID #: —

PUMP SETUP DAY

Date: 11-18-09 Timer Beginning Date/Time: 11-19-09 / 12:00 AM
Time: 2:58 PM Beginning Flow Rate (L/min): 3000
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 11-24-09 Timer Ending Date/Time: 11-24-12:00 AM
Time: 10:18 AM Ending Flow Rate (L/min): 3000
Total Sample Volume (L): 0 FLO
Total Sample Time (min): 7200
Atmospheric pressure (mm Hg): 28.05
Temperature inside station unit (°F): 42.8 Pump / 35 Box

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

SIGNATURE: _____

DATE: _____

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA

TA-0030

Station Location: T-3 (Water Treatment Station) Sample ID #
Field Technician: 99 Filter Lot #: 18833-01
Pump Type/Model: SKC AirChek 2000 Sample Type: TEM
Pump Number: 36442 Sample Parent ID #:

PUMP SETUP DAY

Date: 11-28-09 Timer Beginning Date/Time: 11-29-09 / 12:00 AM
Time: 2:02 PM Beginning Flow Rate (L/min): 2000
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 12-4-09 Timer Ending Date/Time: 12-4 12:00 AM
Time: 8:29 AM Ending Flow Rate (L/min): 2000
Total Sample Volume (L): 05.40
Total Sample Time (min): 7200
Atmospheric pressure (mm Hg): 27.86
Temperature inside station unit (°F): 25 pump / 4 under 20 box

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

SIGNATURE:

DATE:

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA

ADDITIONAL DAILY CHECK RECORDS

TA-0030

Station Location: T-3 (Water Treatment Station)

Sample ID #:

Field Technician: JAFilter Lot #: 18833-01Pump Type/Model: SKC AirChek 2000Pump Number: 36442

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 11-29-09 (JA)Flow Rate (L/min): 2000Time: 7:27pm ()Cumulative Sample Volume (L): 2334Cumulative Sample Time (min): 1166Atmospheric pressure (mm Hg): 27.88Temperature inside station unit (°F): 48.1 Pump/40 BoxBattery voltage reading (volts): 12.89

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 11-30-09 (JA)Flow Rate (L/min): 2000Time: 4:49pm ()Cumulative Sample Volume (L): 4899Cumulative Sample Time (min): 2449Atmospheric pressure (mm Hg): 27.56Temperature inside station unit (°F): 51.7 Pump/44 BoxBattery voltage reading (volts): 12.78

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 12-1-09 (JA)Flow Rate (L/min): 2000Time: 3:26pm ()Cumulative Sample Volume (L): 7613Cumulative Sample Time (min): 3806Atmospheric pressure (mm Hg): 27.89Temperature inside station unit (°F): 50.0 Pump/43 BoxBattery voltage reading (volts): 12.69

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 12-2-09 (JA)Flow Rate (L/min): 2000Time: 6:47pm ()Cumulative Sample Volume (L): 0 FL0Cumulative Sample Time (min): 5448Atmospheric pressure (mm Hg): 27.94Temperature inside station unit (°F): 33.0 Pump/22 BoxBattery voltage reading (volts): 12.60

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 12-3-09 (JA)Flow Rate (L/min): 2000Time: 7:60pm ()Cumulative Sample Volume (L): 0 FL0Cumulative Sample Time (min): 6901Atmospheric pressure (mm Hg): 27.90Temperature inside station unit (°F): 32.4 Pump/23 BoxBattery voltage reading (volts): 12.53

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA SHEET (TSP20)

ADDITIONAL DAILY CHECK RECORDS

TA-0047

Station Location: T-3 (Water Treatment Station)

Sample ID #

Field Technician: ggFilter Lot #: 18833-Pump Type/Model: SKC AirChek 2000Pump Number: 36484

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 12-11-09 (gg)Flow Rate (L/min): 3000Time: 7:23 PM ()Cumulative Sample Volume (L): 1651Cumulative Sample Time (min): 550Atmospheric pressure (mm Hg): 27.43Temperature inside station unit (°F): 41.6 PumpBattery voltage reading (volts): 12.90 Pump / 4.50 B4/B

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 12-12-09 (gg)Flow Rate (L/min): 3000Time: 10:35 AM ()Cumulative Sample Volume (L): 3603Cumulative Sample Time (min): 1201Atmospheric pressure (mm Hg): 27.40Temperature inside station unit (°F): 37.2Battery voltage reading (volts): 12.79new battery B 4/B12.97

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 12-13-09 (gg)Flow Rate (L/min): 3000Time: 2:40 PM ()Cumulative Sample Volume (L): 8662Cumulative Sample Time (min): 2887Atmospheric pressure (mm Hg): 27.35Temperature inside station unit (°F): 53.1Battery voltage reading (volts): 12.68B4/B 12.38

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 12-14-09 (gg)Flow Rate (L/min): 3000Time: 5:30 PM ()Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 4496Atmospheric pressure (mm Hg): 27.79Temperature inside station unit (°F): 48.1 PumpBattery voltage reading (volts): 12.57B4/B 12.00

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 12-15-09 (gg)Flow Rate (L/min): 3000Time: 2:30 PM ()Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 5757Atmospheric pressure (mm Hg): 27.66Temperature inside station unit (°F): 49.1Battery voltage reading (volts): 12.65B4/B 11.62

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA

TA-0047

Station Location: **T-3 (Water Treatment Station)** Sample ID #
Field Technician: MAS / JJ Filter Lot #: 18833-02
Pump Type/Model: **SKC AirChek 2000** Sample Type: **TEM**
Pump Number: 36484 Sample Parent ID #: TA - 0047

PUMP SETUP DAY

Date: 12/10/09 Timer Beginning Date/Time: 12/11/09
Time: 0900 Beginning Flow Rate (L/min): 3,000
Pump Programmed (Yes / No): YES
Bios Calibration Within 10 mL (Yes / No): YES

PUMP RETRIEVAL DAY

Date: 12-16-09 Timer Ending Date/Time: 12-16 12:00 AM
Time: 6:17 PM Ending Flow Rate (L/min): 3000
Total Sample Volume (L): 0.920
Total Sample Time (min): 7200
Atmospheric pressure (mm Hg): 27.71
Temperature inside station unit (°F): 45

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

Replaced b41b battery 12-12-09
second battery for b41b dead 12-16

SIGNATURE:

DATE:

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA SHEET
ADDITIONAL DAILY CHECK RECORDS

TA-0050

Station Location: T-3 (Water Treatment Station) Sample ID #:
 Field Technician: JD Filter Lot #: 18833-02
 Pump Type/Model: SKC AirChek 2000
 Pump Number: 36484

DAILY CHECK (For each station visit)

(Field Tech Initials) PUMP FAULT (Yes / No): NO
 Date: 12-19-09 (JD) Flow Rate (L/min): 3
 Time: 3:38 PM () Cumulative Sample Volume (L): 2814
 Cumulative Sample Time (min): 938
 Atmospheric pressure (mm Hg): 27.80
 Temperature inside station unit (°F): 60.2 Pump
 Battery voltage reading (volts): 12.94
heater - 12.86

DAILY CHECK (For each station visit)

(Field Tech Initials) PUMP FAULT (Yes / No): NO
 Date: 12-20-09 (JD) Flow Rate (L/min): 3
 Time: 10:49 AM () Cumulative Sample Volume (L): 6268
 Cumulative Sample Time (min): 2089
 Atmospheric pressure (mm Hg): 27.68
 Temperature inside station unit (°F): 58.3
 Battery voltage reading (volts): 12.79
heater - 12.60

DAILY CHECK (For each station visit)

(Field Tech Initials) PUMP FAULT (Yes / No): NO
 Date: 12-21-09 (JD) Flow Rate (L/min): 3
 Time: 5:34 PM () Cumulative Sample Volume (L): 0 FLO
 Cumulative Sample Time (min): 3934
 Atmospheric pressure (mm Hg): 27.38
 Temperature inside station unit (°F): 60.5
 Battery voltage reading (volts): 12.63
heater - 12.23

DAILY CHECK (For each station visit)

(Field Tech Initials) PUMP FAULT (Yes / No): NO
 Date: 12-22-09 (JD) Flow Rate (L/min): 3
 Time: 6:29 PM () Cumulative Sample Volume (L): 0 FLO
 Cumulative Sample Time (min): 5429
 Atmospheric pressure (mm Hg): 27.70
 Temperature inside station unit (°F): 58.3
 Battery voltage reading (volts): 12.55
heater - 11.99

DAILY CHECK (For each station visit)

(Field Tech Initials) PUMP FAULT (Yes / No): NO
 Date: 12-23-09 (JD) Flow Rate (L/min): 3
 Time: 7:16 PM () Cumulative Sample Volume (L): 0 FLO
 Cumulative Sample Time (min): 6916
 Atmospheric pressure (mm Hg): 28.07
 Temperature inside station unit (°F): 49.9 Pump
 Battery voltage reading (volts): 12.46
heater - 11.72

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA

TA-0050

Station Location: T-3 (Water Treatment Station) Sample ID #: _____
Field Technician: gg Filter Lot #: 18833-02
Pump Type/Model: SKC AirChek 2000 Sample Type: TEM
Pump Number: 36484 Sample Parent ID #: TA-0050

PUMP SETUP DAY

Date: 12-18-09 Timer Beginning Date/Time: 12-19-09 12:00Am
Time: 3:45 PM Beginning Flow Rate (L/min): 3
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 12-24-09 Timer Ending Date/Time: 12-24-09 12:00Am
Time: 3:17 PM Ending Flow Rate (L/min): 3
Total Sample Volume (L): 0FL0
Total Sample Time (min): 7200
Atmospheric pressure (mm Hg): 28.14
Temperature inside station unit (°F): 43.3 Pump

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

new serial pump #3

Notes:

On December 9, 2009 at this site the pump was not working
so we replaced it with the pump with this
serial number.

SIGNATURE:

Note by Michelle Carlson

DATE:

31 Dec. 09

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA S

TA-0059

Station Location: T-3 (Water Treatment Station) Sample ID #: _____
Field Technician: [Signature] Filter Lot #: 18833-02
Pump Type/Model: SKC AirChek 2000 Sample Type: TEM
Pump Number: 36442 36484 Sample Parent ID #: TA-0059

PUMP SETUP DAY

Date: 12-28-09 Timer Beginning Date/Time: 12-29-09 12:00 AM
Time: 4:28 PM Beginning Flow Rate (L/min): 3
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 1-3-10 Timer Ending Date/Time: 1-2-10 12:00 AM
Time: 2:50 PM Ending Flow Rate (L/min): 3
Total Sample Volume (L): 0.620
Total Sample Time (min): 7200
Atmospheric pressure (mm Hg): 28.00 ± 0.5
Temperature inside station unit (°F): 49.8

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

Atmospheric Pressure Reading indicates
what pump display shows

SIGNATURE:

DATE:

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA

ADDITIONAL DAILY CHECK RECORDS

TA-0059

Station Location: T-3 (Water Treatment Station)

Sample ID #:

Field Technician: JDFilter Lot #: 18833-02

Pump Type/Model: SKC AirChek 2000

Pump Number: 30442 36484

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 12-29-09 (JD)Flow Rate (L/min): 3000 3Time: 7:04 PM ()Cumulative Sample Volume (L): 3433Cumulative Sample Time (min): 1144Atmospheric pressure (mm Hg): 27.64 insTemperature inside station unit (°F): 51.1Battery voltage reading (volts): 12.91heater - 12.67

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 12-30-09 (JD)Flow Rate (L/min): 3000 3Time: 7:02 ()Cumulative Sample Volume (L): 7745Cumulative Sample Time (min): 2681Atmospheric pressure (mm Hg): 27.73 insTemperature inside station unit (°F): 53.7Battery voltage reading (volts): 12.74heater - 12.31

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 12-31-09 (JD)Flow Rate (L/min): 3000 3Time: 10:00 AM ()Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 3480Atmospheric pressure (mm Hg): 27.77 insTemperature inside station unit (°F): 54.2Battery voltage reading (volts): 12.66heater - 12.12

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 1-1-10 (JD)Flow Rate (L/min): 3Time: 12:11 ()Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 5051Atmospheric pressure (mm Hg): 27.70 insTemperature inside station unit (°F): 58.9Battery voltage reading (volts): 12.58heater - 11.84

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 1-2-10 (JD)Flow Rate (L/min): 3Time: 11:12 AM ()Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 6433Atmospheric pressure (mm Hg): 27.92 insTemperature inside station unit (°F): 62Battery voltage reading (volts): 12.50heater - 11.45

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA SHEET

TA-0079

Station Location: T-3 (Water Treatment Station) Sample ID #:
Field Technician: JA Filter Lot #: 18833- 02
Pump Type/Model: SKC AirChek 2000 Sample Type: TEM
Pump Number: 36484 Sample Parent ID #: TA-0079

PUMP SETUP DAY

Date: 1-17-10 Timer Beginning Date/Time: 1-18-10 12:00 AM
Time: 2:57 PM Beginning Flow Rate (L/min): 3
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 1-23-10 Timer Ending Date/Time: 1-23-10 12:00 AM
Time: 9:14 Ending Flow Rate (L/min): 3
Total Sample Volume (L): 0 FLO
Total Sample Time (min): 7200
Atmospheric Pressure (INS): 27.28
Temperature inside station unit (°F): 52.5 Pump / 36 Box

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

Heater battery dead. Changed out on
1-22-10

SIGNATURE: DATE: 1-23-10

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA &
ADDITIONAL DAILY CHECK RECORDS

TA-0079

Station Location: T-3 (Water Treatment Station)

Sample ID #:

Field Technician: ggFilter Lot #: 18833-02Pump Type/Model: SKC AirChek 2000Pump Number: 36442

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): noDate: 1-18-10 (gg)Flow Rate (L/min): 3Time: 11:18 Am ()Cumulative Sample Volume (L): 2034Cumulative Sample Time (min): 677Atmospheric Pressure (INS): 27.37Temperature inside station unit (°F): 62.4 Pump/43 BoxBattery voltage reading (volts): 12.86heater - 12.62

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): noDate: 1-19-10 (gg)Flow Rate (L/min): 3Time: 10:53 Am ()Cumulative Sample Volume (L): 6280Cumulative Sample Time (min): 2093Atmospheric Pressure (INS): 27.23Temperature inside station unit (°F): 61.3 Pump/42 BoxBattery voltage reading (volts): 12.68heater - 12.16

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): noDate: 1-20-10 (gg)Flow Rate (L/min): 3Time: 1:17 pm ()Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 3677Atmospheric Pressure (INS): 27.16Temperature inside station unit (°F): 62.2 Pump/43 BoxBattery voltage reading (volts): 12.53heater - 11.76

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): noDate: 1-21-10 (gg)Flow Rate (L/min): 3Time: 8:16 Am ()Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 4816Atmospheric Pressure (INS): 27.05Temperature inside station unit (°F): 54.0 Pump/36 BoxBattery voltage reading (volts): 12.44heater - 11.50

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): noDate: 1-22-10 (gg)Flow Rate (L/min): 3Time: 12:37 pm ()Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 6516Atmospheric Pressure (INS): 26.94Temperature inside station unit (°F): 48.7 Pump/35 BoxBattery voltage reading (volts): 12.35heater - 10.48

TETRA TECH EM INC.

OU07 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA

TA-0068

Station Location: T-3 (Water Treatment Station) Sample ID #: _____
Field Technician: JD Filter Lot #: 18833-02
Pump Type/Model: SKC AirChek 2000 Sample Type: TEM
Pump Number: 36484 Sample Parent ID #: TA-0068

PUMP SETUP DAY

Date: 1-7-10 Timer Beginning Date/Time: 1-8-10 12:00am
Time: 2:28pm Beginning Flow Rate (L/min): 3.093
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 1-13-10 Timer Ending Date/Time: 1/13/10 @ 12:00 pm
Time: 0950 am Ending Flow Rate (L/min): 3.0
Total Sample Volume (L): 0FLO
Total Sample Time (min): 7200
Atmospheric Pressure (INS): 27.63
Temperature inside station unit (°F): 46.5 pump

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

SIGNATURE: JDDATE: 1-13-10

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA
ADDITIONAL DAILY CHECK RECORDS

TA-0068

Station Location: T-3 (Water Treatment Station)

Sample ID #

Field Technician: ggFilter Lot #: 18833-02Pump Type/Model: SKC AirChek 2000Pump Number: 36442

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-8-10 (gg)Time: 12:00 PM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3Cumulative Sample Volume (L): 2160Cumulative Sample Time (min): 719Atmospheric Pressure (INS): 28.22Temperature inside station unit (°F): 42.6Battery voltage reading (volts): 12.89heater - 12.61

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-9-10 (gg)Time: 11:03 AM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3Cumulative Sample Volume (L): 6340Cumulative Sample Time (min): 2103Atmospheric Pressure (INS): 28.12Temperature inside station unit (°F): 44.0Battery voltage reading (volts): 12.75heater - 12.26

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-10-10 (gg)Time: 12:07 PM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3Cumulative Sample Volume (L): 0540Cumulative Sample Time (min): 3601Atmospheric Pressure (INS): 28.13Temperature inside station unit (°F): 53.6Battery voltage reading (volts): 12.61heater - 11.83

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-11-10 (gg)Time: 8:03 AM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3Cumulative Sample Volume (L): 0540Cumulative Sample Time (min): 4804Atmospheric Pressure (INS): 27.91Temperature inside station unit (°F): 54.8Battery voltage reading (volts): 12.5211.57

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1/12/10 (ms)Time: 11:58 AM (ms)PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3Cumulative Sample Volume (L): 0540Cumulative Sample Time (min): 6479Atmospheric Pressure (INS): 27.56Temperature inside station unit (°F): 53.7 PUMP, 27msBattery voltage reading (volts): 12.42HEATER 10.87

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA SHEET (ESD)

ADDITIONAL DAILY CHECK RECORDS

TA-0004

Station Location: T- 4
Field Technician: JP
Pump Type/Model: **SKC AirChek 2000**
Pump Number: 36445

Sample ID #:
Filter ID #: 18833-01

DAILY CHECK (For each station visit)

(Field Tech Initials)
Date: 10-31-09 (JP)
Time: 9:13 am ()

PUMP FAULT (Yes / No): NO
Timer Time (min): 1993
Flow Rate (L/min): 3000
Cumulative Sample Volume (L): 5980
Cumulative Sample Time (min): 1993
Atmospheric pressure (mm Hg): 27.53
Temperature inside station unit (°F): 41° Pump / 49 box
Battery voltage reading (volts): 12.71

DAILY CHECK (For each station visit)

(Field Tech Initials)
Date: 11-1-09 (JP)
Time: 1:08 pm ()

PUMP FAULT (Yes / No): NO
Timer Time (min): 3727
Flow Rate (L/min): 3000
Cumulative Sample Volume (L): 0 FLO
Cumulative Sample Time (min): 3727
Atmospheric pressure (mm Hg): 28.04
Temperature inside station unit (°F): 45.9° Pump / 56° box
Battery voltage reading (volts): 12.64

DAILY CHECK (For each station visit)

(Field Tech Initials)
Date: 11-2-09 (JP)
Time: 8:15 am ()

PUMP FAULT (Yes / No): NO
Timer Time (min): 4876
Flow Rate (L/min): 3000
Cumulative Sample Volume (L): 0 FLO
Cumulative Sample Time (min): 4876
Atmospheric pressure (mm Hg): 28.04
Temperature inside station unit (°F): 25.6 Pump / 24 box
Battery voltage reading (volts): 12.57

DAILY CHECK (For each station visit)

(Field Tech Initials)
Date: 11-3-09 (JP)
Time: 8:35 am ()

PUMP FAULT (Yes / No): NO
Timer Time (min): 6336
Flow Rate (L/min): 3000
Cumulative Sample Volume (L): 0 FLO
Cumulative Sample Time (min): 6336
Atmospheric pressure (mm Hg): 28.04
Temperature inside station unit (°F): 26.8 Pump / 35 box
Battery voltage reading (volts): 12.52

DAILY CHECK (For each station visit)

(Field Tech Initials)
Date: 11/4/09 (JP)
Time: 11:35 am (JP)

PUMP FAULT (Yes / No):
Timer Time (min):
Flow Rate (L/min):
Cumulative Sample Volume (L):
Cumulative Sample Time (min):
Atmospheric pressure (mm Hg):
Temperature inside station unit (°F):
Battery voltage reading (volts): 12.60

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA SHEET (FSDS)

TA-0004

Station Location: T- 4
Field Technician: MAS, JJ
Pump Type/Model: SKC AirChek 2000
Pump Number: 36445

Sample ID #: _____
Filter ID #: 18833-01
Sample Type: TEM
Sample Parent ID #: TA 0004

START DAY

Date: 10/30/09
Time: 12:00 am
Timer Beginning Time: 12:00 am
Beginning Flow Rate (L/min): 3
Atmospheric pressure (mm Hg): 27.93
Temperature inside station unit (°F): _____

STOP DAY

Date: 11/4/09
Time: 11:35 am
Timer Ending Time: 12:00 am
Ending Flow Rate (L/min): 3000
Total Sample Volume (L): 0 FLO
Total Sample Time (min): 7200
Atmospheric pressure (mm Hg): 27.83
Temperature inside station unit (°F): 37.8°

DAILY CHECK (complete separate DAILY CHECK for each station visit - additional records on back)

(Field Tech Initials) _____ PUMP FAULT (Yes / No): NO
Date: 10/30/09 (99) Timer Time (min): 610
Time: 10:09 am () Flow Rate (L/min): 3000 mL/min
Cumulative Sample Volume (L): 1824
Cumulative Sample Time (min): 610
Atmospheric pressure (mm Hg): 27.63 ins
Temperature inside station unit (°F): 33.1 pump 41° in box
Battery voltage reading (volts): 12.78

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

SIGNATURE: _____

DATE: _____

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA SHEET (ESDS)

TA-0013

Station Location: T-4 (Troy Info Center)
Field Technician:
Pump Type/Model: SKC AirChek 2000
Pump Number: 36445

Sample ID #
Filter Lot #: 18833-01
Sample Type: TEM
Sample Parent ID #: TA-0013

START DAY

Date: 11-9-09
Time: 12:00 AM
Timer Beginning Time: 12:00 AM
Beginning Flow Rate (L/min): 3000
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

STOP DAY

Date: 11-14-09
Time: 3:24
Timer Ending Time: 7200 / 12:00 AM
Ending Flow Rate (L/min): 3000
Total Sample Volume (L): 0.720
Total Sample Time (min): 7200
Atmospheric pressure (mm Hg): 27.83
Temperature inside station unit (°F): 27.84 / 40.8

DAILY CHECK (complete separate DAILY CHECK for each station visit - additional records on back)

(Field Tech Initials) PUMP FAULT (Yes / No):
Date: () Flow Rate (L/min):
Time: () Cumulative Sample Volume (L):
Cumulative Sample Time (min):
Atmospheric pressure (mm Hg):
Temperature inside station unit (°F):
Battery voltage reading (volts):

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

SIGNATURE:

DATE:

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA SHEET (FSDS)

ADDITIONAL DAILY CHECK RECORDS

TA-0013

Station Location: T-4 (Troy Info Center)

Sample ID #:

Field Technician: Q

Filter Lot #: 18833-01

Pump Type/Model: SKC AirChek 2000

Pump Number: 36445

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-9-09 (Q)

Time: 7:36 a.m. ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3000

Cumulative Sample Volume (L): 1368

Cumulative Sample Time (min): 756

Atmospheric pressure (mm Hg): 27.79

Temperature inside station unit (°F): 30.8 Pump / 38 box

Battery voltage reading (volts): 12.87

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-10-09 (Q)

Time: 3:09 p.m. ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3000

Cumulative Sample Volume (L): 7048

Cumulative Sample Time (min): 2349

Atmospheric pressure (mm Hg): 27.82

Temperature inside station unit (°F): 45.2 Pump / 51 box

Battery voltage reading (volts): 12.74

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-11-09 (Q)

Time: 10:51 a.m. ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3000

Cumulative Sample Volume (L): 0 FLO

Cumulative Sample Time (min): 3531

Atmospheric pressure (mm Hg): 27.59

Temperature inside station unit (°F): 31.5 Pump / 39 Box

Battery voltage reading (volts): 12.66

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-12-09 (Q)

Time: 2:37 p.m. ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3000

Cumulative Sample Volume (L): 0 FLO

Cumulative Sample Time (min): 5197

Atmospheric pressure (mm Hg): 27.53

Temperature inside station unit (°F): 38.1 Pump / 45 Box

Battery voltage reading (volts): 12.59

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-13-09 (Q)

Time: 1:07 p.m. ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3000

Cumulative Sample Volume (L): 0 FLO

Cumulative Sample Time (min): 6547

Atmospheric pressure (mm Hg): 27.36

Temperature inside station unit (°F): 30.5 Pump / 37 Box

Battery voltage reading (volts): 12.53

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA SHEET

ADDITIONAL DAILY CHECK RECORDS

TA-0022

Station Location: T-4 (Troy Info Center)

Sample ID #: T

Field Technician: JJ

Filter Lot #: 18833-01

Pump Type/Model: SKC AirChek 2000

Pump Number: 36445

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NO

Date: 11-19-09 (JJ)

Flow Rate (L/min): 3000

Time: 8:40 AM ()

Cumulative Sample Volume (L): 1559

Cumulative Sample Time (min): 519

Atmospheric pressure (mm Hg): 27.65

Temperature inside station unit (°F): 27.9 Pump / 34.8 Box

Battery voltage reading (volts): 12.96

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NO

Date: 11-20-09 (JJ)

Flow Rate (L/min): 3000

Time: 8:25 AM ()

Cumulative Sample Volume (L): 5833

Cumulative Sample Time (min): 1944

Atmospheric pressure (mm Hg): 27.39

Temperature inside station unit (°F): 30.0 Pump / 37.8 Box

Battery voltage reading (volts): 12.77

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NO

Date: 11-21-09 (JJ)

Flow Rate (L/min): 3000

Time: 3:51 PM ()

Cumulative Sample Volume (L): 0540

Cumulative Sample Time (min): 3831

Atmospheric pressure (mm Hg): 27.62

Temperature inside station unit (°F): 37.48 Pump / 44.8 Box

Battery voltage reading (volts): 12.65

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NO

Date: 11-22-09 (JJ)

Flow Rate (L/min): 3000

Time: 1:45 PM ()

Cumulative Sample Volume (L): 0540

Cumulative Sample Time (min): 5145

Atmospheric pressure (mm Hg): 27.37

Temperature inside station unit (°F): 31.88 Pump / 39.8 Box

Battery voltage reading (volts): 12.58

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NO

Date: 11-23-09 (JJ)

Flow Rate (L/min): 3000

Time: 5:41 PM ()

Cumulative Sample Volume (L): 0540

Cumulative Sample Time (min): 6822

Atmospheric pressure (mm Hg): 27.99

Temperature inside station unit (°F): 34.78 Pump / 41.8 Box

Battery voltage reading (volts): 12.49

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA S

TA-0022

Station Location: T-4 (Troy Info Center)
Field Technician: JK
Pump Type/Model: SKC AirChek 2000
Pump Number: 36445

Sample ID #: _____
Filter Lot #: 18833-01
Sample Type: TEM
Sample Parent ID #: —

PUMP SETUP DAY

Date: 11-18-09
Time: 2:59 pm

Timer Beginning Date/Time: 11-18-09/1200 AM
Beginning Flow Rate (L/min): 3000
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 11-24-09
Time: 10:27 am

Timer Ending Date/Time: 11-24-12:00 am
Ending Flow Rate (L/min): 3000
Total Sample Volume (L): 0 FLO
Total Sample Time (min): 7200
Atmospheric pressure (mm Hg): 27.98
Temperature inside station unit (°F): 25.1 Pump / 37 Box

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

SIGNATURE: _____

DATE: _____

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA

TA-0031

Station Location: T-4 (Troy Info Center)
Field Technician: [Signature]
Pump Type/Model: SKC AirChek 2000
Pump Number: 36445

Sample ID #: _____
Filter Lot #: 18833-01
Sample Type: TEM
Sample Parent ID #: _____

PUMP SETUP DAY

Date: 11-28-09
Time: 2:01 PM

Timer Beginning Date/Time: 11-29-09/12:00 AM
Beginning Flow Rate (L/min): 2000
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 12-4-09
Time: 8:56 AM

Timer Ending Date/Time: 12-4 12:00 AM
Ending Flow Rate (L/min): 2000
Total Sample Volume (L): 0.10
Total Sample Time (min): 7200
Atmospheric pressure (mm Hg): 27.80
Temperature inside station unit (°F): 13 P4MP / 19 Box

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

SIGNATURE: _____

DATE: _____

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA
ADDITIONAL DAILY CHECK RECORDS

TA-0031

Station Location: T-4 (Troy Info Center)

Sample ID #

Field Technician: 99Filter Lot #: 18833- 01Pump Type/Model: SKC AirChek 2000Pump Number: 36445

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-29-09 (99)Time: 7:11 PM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 2000Cumulative Sample Volume (L): 2302Cumulative Sample Time (min): 1150Atmospheric pressure (mm Hg): 27.83Temperature inside station unit (°F): 23.4 PUMP 43 BOXBattery voltage reading (volts): 12.90

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-30-09 (99)Time: 4:56 PM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 2000Cumulative Sample Volume (L): 4911Cumulative Sample Time (min): 2455Atmospheric pressure (mm Hg): 27.51Temperature inside station unit (°F): 36.6 PUMP 46 BOXBattery voltage reading (volts): 12.79

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 12-1-09 (99)Time: 9:33 AM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 2000Cumulative Sample Volume (L): 6908Cumulative Sample Time (min): 3454Atmospheric pressure (mm Hg): 27.77Temperature inside station unit (°F): 24.3 PUMP 33 BOXBattery voltage reading (volts): 12.71

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 12-2-09 (99)Time: 8:25 AM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 2000Cumulative Sample Volume (L): 9652Cumulative Sample Time (min): 4826Atmospheric pressure (mm Hg): 27.86Temperature inside station unit (°F): 18.0 PUMP 26 BOXBattery voltage reading (volts): 12.61

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 12-3-09 (99)Time: 7:07 PM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 2000Cumulative Sample Volume (L): 6540Cumulative Sample Time (min): 6908Atmospheric pressure (mm Hg): 27.86Temperature inside station unit (°F): 17.8 PUMP 26 BOXBattery voltage reading (volts): 12.53

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA

TA-0040

Station Location: T-4 (Troy Info Center)
Field Technician: QA
Pump Type/Model: SKC AirChek 2000
Pump Number: 36445

Sample ID #: _____
Filter Lot #: 18833-01
Sample Type: TEM
Sample Parent ID #: —

PUMP SETUP DAY

Date: 12-8-09
Time: 1:33 PM

Timer Beginning Date/Time: 12-9-09 12:00 AM
Beginning Flow Rate (L/min): 3000
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 12-14-09
Time: 5:40 PM

Timer Ending Date/Time: 12-14 12:00 AM
Ending Flow Rate (L/min): 3000
Total Sample Volume (L): 0FLO
Total Sample Time (min): 7200
Atmospheric pressure (mm Hg): 27.97
Temperature inside station unit (°F): 65.1 Pump / 71 Box

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

SIGNATURE: _____

DATE: _____

TETRA TECH EM INC.
OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA
ADDITIONAL DAILY CHECK RECORDS

TA-0040

Station Location: <u>T-4 (Troy Info Center)</u> Field Technician: <u>JA</u> Pump Type/Model: <u>SKC AirChek 2000</u> Pump Number: <u>36445</u>	Sample ID # _____ Filter Lot #: <u>18833- 0</u>
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DAILY CHECK (For each station visit)	
(Field Tech Initials) _____ Date: <u>12-9-09</u> (<u>98</u>) Time: <u>4:06 PM</u> ()	PUMP FAULT (Yes / No): <u>no</u> Flow Rate (L/min): <u>3000</u> Cumulative Sample Volume (L): <u>2898</u> Cumulative Sample Time (min): <u>955</u> Atmospheric pressure (mm Hg): <u>28.04</u> Temperature inside station unit (°F): <u>58.8</u> Battery voltage reading (volts): <u>12.95</u>

DAILY CHECK (For each station visit)	
(Field Tech Initials) _____ Date: <u>12-10-09</u> (<u>98</u>) Time: <u>7:00 AM</u> ()	PUMP FAULT (Yes / No): <u>no</u> Flow Rate (L/min): <u>3000</u> Cumulative Sample Volume (L): <u>5577</u> Cumulative Sample Time (min): <u>1859</u> Atmospheric pressure (mm Hg): <u>27.98</u> Temperature inside station unit (°F): <u>58.5</u> Battery voltage reading (volts): <u>12.82</u>

DAILY CHECK (For each station visit)	
(Field Tech Initials) _____ Date: <u>12-11-09</u> (<u>98</u>) Time: <u>7:11 PM</u> ()	PUMP FAULT (Yes / No): <u>no</u> Flow Rate (L/min): <u>3000</u> Cumulative Sample Volume (L): <u>0FLO</u> Cumulative Sample Time (min): <u>4032</u> Atmospheric pressure (mm Hg): <u>27.73</u> Temperature inside station unit (°F): <u>64.0 PUMP / 68 BOX</u> Battery voltage reading (volts): <u>12.71</u>

DAILY CHECK (For each station visit)	
(Field Tech Initials) _____ Date: <u>12-12-09</u> (<u>98</u>) Time: <u>9:49 AM</u> ()	PUMP FAULT (Yes / No): <u>no</u> Flow Rate (L/min): <u>3000</u> Cumulative Sample Volume (L): <u>0FLO</u> Cumulative Sample Time (min): <u>4910</u> Atmospheric pressure (mm Hg): <u>27.71</u> Temperature inside station unit (°F): <u>64.9 PUMP / 68 BOX</u> Battery voltage reading (volts): <u>12.67</u>

DAILY CHECK (For each station visit)	
(Field Tech Initials) _____ Date: <u>12-13-09</u> (<u>98</u>) Time: <u>2:29 PM</u> ()	PUMP FAULT (Yes / No): <u>no</u> Flow Rate (L/min): <u>3000</u> Cumulative Sample Volume (L): <u>0FLO</u> Cumulative Sample Time (min): <u>6629</u> Atmospheric pressure (mm Hg): <u>27.71</u> Temperature inside station unit (°F): <u>73.2 PUMP / 75 BOX</u> Battery voltage reading (volts): <u>12.63</u>

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA SHEET
ADDITIONAL DAILY CHECK RECORDS

TA-0051

Station Location: T-4 (Troy Info Center)

Sample ID #:

Field Technician: JDFilter Lot #: 18833-02Pump Type/Model: SKC AirChek 2000Pump Number: 36445

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 12-19-09 (JD)Flow Rate (L/min): 3000Time: 3:32 PM ()Cumulative Sample Volume (L): 2796Cumulative Sample Time (min): 932Atmospheric pressure (mm Hg): 28.13Temperature inside station unit (F): 84.3 PUMP / 80 BOXBattery voltage reading (volts): 12.99

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 12-20-09 (JD)Flow Rate (L/min): 3000Time: 10:43 AM ()Cumulative Sample Volume (L): 6248Cumulative Sample Time (min): 2082Atmospheric pressure (mm Hg): 28.05Temperature inside station unit (F): 82.7 PUMP / 78 BOXBattery voltage reading (volts): 12.82

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 12-21-09 (JD)Flow Rate (L/min): 3000Time: 5:40 PM ()Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 3940Atmospheric pressure (mm Hg): 27.78Temperature inside station unit (F): 85.8 PUMP / 80 BOXBattery voltage reading (volts): 12.70

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 12-22-09 (JD)Flow Rate (L/min): 3000Time: 6:35 PM ()Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 5435Atmospheric pressure (mm Hg): 28.08Temperature inside station unit (F): 84.2 PUMP / 79 BOXBattery voltage reading (volts): 12.65

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 12-23-09 (JD)Flow Rate (L/min): 3000Time: 7:22 PM ()Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 6922Atmospheric pressure (mm Hg): 28.44 28.41Temperature inside station unit (F): 74.4 PUMP / 70 BOXBattery voltage reading (volts): 12.58

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA S

TA-0051

Station Location: T-4 (Troy Info Center)
Field Technician: JD
Pump Type/Model: SKC AirChek 2000
Pump Number: 36445

Sample ID #: _____
Filter Lot #: 18833-02
Sample Type: TEM
Sample Parent ID #: TA-0051

PUMP SETUP DAY

Date: 12-18-09
Time: 3:46 PM

Timer Beginning Date/Time: 12-19-09 12:00 AM
Beginning Flow Rate (L/min): 3000
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 12-24-09
Time: 3:25 PM

Timer Ending Date/Time: 12-24-09 12:00 AM
Ending Flow Rate (L/min): 3000
Total Sample Volume (L): 6 FL
Total Sample Time (min): 7200
Atmospheric pressure (mm Hg): 28.44
Temperature inside station unit (°F): 70.0 PLMP / 74 BOX

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

SIGNATURE:

DATE:

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA

TA-0060

Station Location: T-4 (Troy Info Center)
Field Technician: JP
Pump Type/Model: SKC AirChek 2000
Pump Number: 36445

Sample ID #: _____
Filter Lot #: 18833-02
Sample Type: TEM
Sample Parent ID #: TA-0060

PUMP SETUP DAY

Date: 12-28-09
Time: 4:29 PM

Timer Beginning Date/Time: 12-29-09 12:00 AM
Beginning Flow Rate (L/min): 300 ~~2~~ 3
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 1-3-10
Time: 2:58 PM

Timer Ending Date/Time: 1-2-10 12:00 AM
Ending Flow Rate (L/min): 3
Total Sample Volume (L): 0.40
Total Sample Time (min): 7200
Atmospheric pressure (mm Hg): 28.38 INS
Temperature inside station unit (°F): 84.0 Pump/84 Box

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

Atmospheric pressure reading indicates
what pump display shows

SIGNATURE:

DATE:

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA

ADDITIONAL DAILY CHECK RECORDS

TA-0060

Station Location: T-4 (Troy Info Center)

Sample ID #:

Field Technician: JD

Filter Lot #: 18833-02

Pump Type/Model: SKC AirChek 2000

Pump Number: 36445

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 12-29-09 (JD)

Time: 7:11 PM ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3000/3

Cumulative Sample Volume (L): 3452

Cumulative Sample Time (min): 1150

Atmospheric pressure (mm Hg): 28.01 ins

Temperature inside station unit (°F): 74.2 Pump/71.80X

Battery voltage reading (volts): 12.77

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 12-30-09 (JD)

Time: 7:10 PM ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3000/3

Cumulative Sample Volume (L): 7764

Cumulative Sample Time (min): 2588

Atmospheric pressure (mm Hg): 28.11 ins

Temperature inside station unit (°F): 78.3 Pump/76.80X

Battery voltage reading (volts): 12.59

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 12-31-09 (JD)

Time: 10:08 ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3000/3

Cumulative Sample Volume (L): 0 FLO

Cumulative Sample Time (min): 3488

Atmospheric pressure (mm Hg): 28.12 ins

Temperature inside station unit (°F): 77.9 Pump/75.80X

Battery voltage reading (volts): 12.55

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-1-10 (JD)

Time: 12:18 ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3

Cumulative Sample Volume (L): 0 FLO

Cumulative Sample Time (min): 5058

Atmospheric pressure (mm Hg): 28.02 ins

Temperature inside station unit (°F): 83.1 Pump/79.80X

Battery voltage reading (volts): 12.51

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-2-10 (JD)

Time: 11:19 AM ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3

Cumulative Sample Volume (L): 0 FLO

Cumulative Sample Time (min): 6438

Atmospheric pressure (mm Hg): 28.20 ins

Temperature inside station unit (°F): 85.6 Pump/82.80X

Battery voltage reading (volts): 12.45

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA

TA-0069

Station Location: T-4 (Troy Info Center)
Field Technician: 99
Pump Type/Model: SKC AirChek 2000
Pump Number: 36445

Sample ID # _____
Filter Lot #: 18833-02
Sample Type: TEM
Sample Parent ID #: TA-0069

PUMP SETUP DAY

Date: 1-7-10
Time: 3:29 PM

Timer Beginning Date/Time: 1-8-10 12:00 AM
Beginning Flow Rate (L/min): 3
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 1-13-10
Time: 9:08 AM

Timer Ending Date/Time: 1-13-10 12:00 AM
Ending Flow Rate (L/min): 3
Total Sample Volume (L): 0.920
Total Sample Time (min): 7200
Atmospheric Pressure (INS): 28.01
Temperature inside station unit (°F): 82.8

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

SIGNATURE: DATE: 1-13-10

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA

ADDITIONAL DAILY CHECK RECORDS

TA-0069

Station Location: T-4 (Troy Info Center)

Sample ID #

Field Technician: JA

Filter Lot #: 18833-02

Pump Type/Model: SKC AirChek 2000

Pump Number: 36445

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 1-8-10 (JA)Flow Rate (L/min): 3Time: 11:54 AM ()Cumulative Sample Volume (L): 2142Cumulative Sample Time (min): 714Atmospheric Pressure (INS): 28.47Temperature inside station unit (°F): 66.1Battery voltage reading (volts): 12.78

Pump/56 Box

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 1-9-10 (JA)Flow Rate (L/min): 3Time: 11:10 AM ()Cumulative Sample Volume (L): 6329Cumulative Sample Time (min): 2109Atmospheric Pressure (INS): 28.41Temperature inside station unit (°F): 70.2Battery voltage reading (volts): 12.63

Pump/62 Box

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 1-10-10 (JA)Flow Rate (L/min): 3Time: 12:14 PM ()Cumulative Sample Volume (L): 0FL0Cumulative Sample Time (min): 3614Atmospheric Pressure (INS): 28.45Temperature inside station unit (°F): 83.7Battery voltage reading (volts): 12.48

Pump/76 Box

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 1-11-10 (JA)Flow Rate (L/min): 3Time: 8:09 AM ()Cumulative Sample Volume (L): 0FL0Cumulative Sample Time (min): 4810Atmospheric Pressure (INS): 28.26Temperature inside station unit (°F): 83.8Battery voltage reading (volts): 12.42

Pump/76 Box

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 1-12-10 (JA)Flow Rate (L/min): 3Time: 10:07 AM ()Cumulative Sample Volume (L): 0FL0Cumulative Sample Time (min): 6367Atmospheric Pressure (INS): 28.01Temperature inside station unit (°F): 84.2Battery voltage reading (volts): 12.38

Pump/78 Box

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA S

TA-0080

Station Location: T-4 (Troy Info Center)
Field Technician: QA
Pump Type/Model: SKC AirChek 2000
Pump Number: 36445

Sample ID #: _____
Filter Lot #: 18833-02
Sample Type: TEM
Sample Parent ID #: TA-0080

PUMP SETUP DAY

Date: 1-17-10
Time: 2:58 PM

Timer Beginning Date/Time: 1-18-10 12:00 AM
Beginning Flow Rate (L/min): 3
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 1-23-10
Time: 9:46 AM

Timer Ending Date/Time: 1-23-10 12:00 AM
Ending Flow Rate (L/min): 3
Total Sample Volume (L): 0.960
Total Sample Time (min): 7200
Atmospheric Pressure (INS): 27.65
Temperature inside station unit (°F): 75.5 Pump / 63 Box

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

SIGNATURE: DATE: 1-23-10

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA
ADDITIONAL DAILY CHECK RECORDS

TA-0080

Station Location: T-4 (Troy Info Center)

Sample ID #

Field Technician: QAFilter Lot #: 18833-02Pump Type/Model: SKC AirChek 2000Pump Number: 36445

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-18-10 (QA)Time: 11:24 AM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3Cumulative Sample Volume (L): 2050Cumulative Sample Time (min): 684Atmospheric Pressure (INS): 27.72Temperature inside station unit (°F): 83.6 Pump/79 BoxBattery voltage reading (volts): 12.89

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-19-10 (QA)Time: 10:35 AM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3Cumulative Sample Volume (L): 6224Cumulative Sample Time (min): 2074Atmospheric Pressure (INS): 27.63Temperature inside station unit (°F): 84.7 Pump/81 BoxBattery voltage reading (volts): 12.70

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-20-10 (QA)Time: 1:23 PM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 3683Atmospheric Pressure (INS): 27.53Temperature inside station unit (°F): 87.6 Pump/84 BoxBattery voltage reading (volts): 12.59

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-21-10 (QA)Time: 10:01 AM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 4920Atmospheric Pressure (INS): 27.50Temperature inside station unit (°F): 81.7 Pump/74 BoxBattery voltage reading (volts): 12.55

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-22-10 (QA)Time: 12:44 PM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 6499Atmospheric Pressure (INS): 27.42Temperature inside station unit (°F): 81.0 Pump/75 BoxBattery voltage reading (volts): 12.47

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA SHEET (FSDS)

TA-0007

Station Location: T- /
Field Technician: MAS, JJ
Pump Type/Model: **SKC AirChek 2000**
Pump Number: 36446

Sample ID #:
Filter ID #: 18833-01
Sample Type: TEM
Sample Parent ID #: TA-0007

START DAY

Date: 10/30/09
Time: 12:00 AM
Timer Beginning Time: 12:00 AM
Beginning Flow Rate (L/min): 3 LPM
Atmospheric pressure (mm Hg):
Temperature inside station unit (°F):

STOP DAY

Date: 11/4/09
Time: 11:10 AM
Timer Ending Time: 12:00 AM
Ending Flow Rate (L/min): 3000
Total Sample Volume (L): 0FLO
Total Sample Time (min): 7200
Atmospheric pressure (mm Hg): 28.04
Temperature inside station unit (°F): 53.9°

DAILY CHECK (complete separate DAILY CHECK for each station visit - additional records on back)

(Field Tech Initials) PUMP FAULT (Yes / No): IN
Date: 10/30/09 (99) Timer Time (min): 60599 678
Time: 11:19 AM () Flow Rate (L/min): 3000 mL/min
Cumulative Sample Volume (L): 2037
Cumulative Sample Time (min): 678
Atmospheric pressure (mm Hg): 11.19 27.73 ins
Temperature inside station unit (°F): 49.41° 48.5°
Battery voltage reading (volts): 12.76

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

SIGNATURE:

DATE:

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA SHEET (FSDS)

ADDITIONAL DAILY CHECK RECORDS

TA-0007

Station Location: T- 1
 Field Technician: JA
 Pump Type/Model: SKC AirChek 2000
 Pump Number: 36446

Sample ID #: _____
 Filter ID #: 1483-01

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 10/31/09 (JA)
 Time: 10:09 AM ()

PUMP FAULT (Yes / No): NO
 Timer Time (min): 2049
 Flow Rate (L/min): 3000
 Cumulative Sample Volume (L): 6149
 Cumulative Sample Time (min): 2049
 Atmospheric pressure (mm Hg): 27.61
 Temperature inside station unit (°F): 56.5
 Battery voltage reading (volts): 12.68

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 11/1/09 (JA)
 Time: 1:38 pm ()

PUMP FAULT (Yes / No): NO
 Timer Time (min): 3758
 Flow Rate (L/min): 3000
 Cumulative Sample Volume (L): 0 FLO
 Cumulative Sample Time (min): 3758
 Atmospheric pressure (mm Hg): 28.09 28.11
 Temperature inside station unit (°F): 56.8° P4ms
 Battery voltage reading (volts): 12.59 12.64

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 11-2-09 (JA)
 Time: 9:00 AM ()

PUMP FAULT (Yes / No): NO
 Timer Time (min): 4921
 Flow Rate (L/min): 3000
 Cumulative Sample Volume (L): 0 FLO
 Cumulative Sample Time (min): 4921
 Atmospheric pressure (mm Hg): 28.13
 Temperature inside station unit (°F): 39.8
 Battery voltage reading (volts): 12.56

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 11-3-09 (JA)
 Time: 8:58 AM ()
9:19 AM

PUMP FAULT (Yes / No): NO
 Timer Time (min): 6379 6379
 Flow Rate (L/min): 3000
 Cumulative Sample Volume (L): 0 FLO
 Cumulative Sample Time (min): 6379 6379
 Atmospheric pressure (mm Hg): 28.03 27.84 28.12
 Temperature inside station unit (°F): 41.2 P4ms / 35 box 39.9
 Battery voltage reading (volts): 12.50

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 11/4/09 (JA)
 Time: 11:10 AM (PMS)

PUMP FAULT (Yes / No): _____
 Timer Time (min): _____
 Flow Rate (L/min): _____
 Cumulative Sample Volume (L): _____
 Cumulative Sample Time (min): _____
 Atmospheric pressure (mm Hg): _____
 Temperature inside station unit (°F): _____
 Battery voltage reading (volts): 12.60

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA SHEET

TA-0014

Station Location: T-4QC (Troy Info Center)
Field Technician: [Signature]
Pump Type/Model: SKC AirChek 2000
Pump Number: 36444

Sample ID #: _____
Filter Lot #: 18833-01
Sample Type: TEM
Sample Parent ID #: TA-0013

START DAY

Date: 11-9-09
Time: 12:00 AM
Timer Beginning Time: 12:00 AM
Beginning Flow Rate (L/min): 3000
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

STOP DAY

Date: 11-14-09
Time: 3:23 PM
Timer Ending Time: [Signature] 12:00 AM
Ending Flow Rate (L/min): 3000
Total Sample Volume (L): 0.20
Total Sample Time (min): 1200
Atmospheric pressure (mm Hg): 2790
Temperature inside station unit (°F): 23 PMF / 400K

DAILY CHECK (complete separate DAILY CHECK for each station visit - additional records on back)

(Field Tech Initials) _____ PUMP FAULT (Yes / No): _____
Date: _____ () Flow Rate (L/min): _____
Time: _____ () Cumulative Sample Volume (L): _____
Cumulative Sample Time (min): _____
Atmospheric pressure (mm Hg): _____
Temperature inside station unit (°F): _____
Battery voltage reading (volts): _____

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

SIGNATURE: _____

DATE: _____

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA SHEET (ESDS)

ADDITIONAL DAILY CHECK RECORDS

TA-0014

Station Location: T-4QC (Troy Info Center)

Sample ID #

Field Technician: JS

Filter Lot #: 18833-01

Pump Type/Model: SKC AirChek 2000

Pump Number: 36444

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-9-09 (JS)

Time: 7:37 AM ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3000

Cumulative Sample Volume (L): 1372

Cumulative Sample Time (min): 457

Atmospheric pressure (mm Hg): 27.88

Temperature inside station unit (°F): 34.2 / 38 box

Battery voltage reading (volts): 12.87

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-10-09 (JS)

Time: 3:11 PM ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3000

Cumulative Sample Volume (L): 7054

Cumulative Sample Time (min): 2351

Atmospheric pressure (mm Hg): 27.90

Temperature inside station unit (°F): 48.6 Pump / 51 box

Battery voltage reading (volts): 12.74

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-11-09 (JS)

Time: 10:52 ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3000

Cumulative Sample Volume (L): 0 FLO

Cumulative Sample Time (min): 3532

Atmospheric pressure (mm Hg): 27.69

Temperature inside station unit (°F): 35.1 Pump / 39 box

Battery voltage reading (volts): 12.65

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-12-09 (JS)

Time: 2:38 PM ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3000

Cumulative Sample Volume (L): 0 FLO

Cumulative Sample Time (min): 5198

Atmospheric pressure (mm Hg): 27.62

Temperature inside station unit (°F): 41.6 Pump / 45 box

Battery voltage reading (volts): 12.58

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-13-09 (JS)

Time: 1:03 PM ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3000

Cumulative Sample Volume (L): 0 FLO

Cumulative Sample Time (min): 6548

Atmospheric pressure (mm Hg): 27.44

Temperature inside station unit (°F): 34.3

Battery voltage reading (volts): 12.52

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA
ADDITIONAL DAILY CHECK RECORDS

TA-0023

Station Location: T-4QC (Troy Info Center)

Sample ID #

Field Technician: 98Filter Lot #: 18833-01Pump Type/Model: SKC AirChek 2000Pump Number: 36444

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-19-09 (98)Time: 8:39 AM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3000Cumulative Sample Volume (L): 1556Cumulative Sample Time (min): 518Atmospheric pressure (mm Hg): 27.74Temperature inside station unit (°F): 31.3 Pump / 34 BoxBattery voltage reading (volts): 12.90

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-20-09 (98)Time: 8:24 AM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3000Cumulative Sample Volume (L): 5831Cumulative Sample Time (min): 1943Atmospheric pressure (mm Hg): 27.45Temperature inside station unit (°F): 33.3 Pump / 37 BoxBattery voltage reading (volts): 12.70

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-21-09 (98)Time: 3:50 PM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3000Cumulative Sample Volume (L): 0510Cumulative Sample Time (min): 3831Atmospheric pressure (mm Hg): 27.68Temperature inside station unit (°F): 40.1 Pump / 44 BoxBattery voltage reading (volts): 12.54

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-22-09 (98)Time: 1:44 PM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3000Cumulative Sample Volume (L): 0510Cumulative Sample Time (min): 5144Atmospheric pressure (mm Hg): 27.42Temperature inside station unit (°F): 34.5 Pump / 34 BoxBattery voltage reading (volts): 12.47

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-23-09 (98)Time: 5:41 PM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3000Cumulative Sample Volume (L): 0510Cumulative Sample Time (min): 6821Atmospheric pressure (mm Hg): 28.06Temperature inside station unit (°F): 37.4 Pump / 41 BoxBattery voltage reading (volts): 12.39

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA S

TA-0023

Station Location: T-4QC (Troy Info Center)
Field Technician: [Signature]
Pump Type/Model: SKC AirChek 2000
Pump Number: 36444

Sample ID #: _____
Filter Lot #: 18833-01
Sample Type: TEM
Sample Parent ID #: TA-0022

PUMP SETUP DAY

Date: 11-18-09
Time: 3:09 PM

Timer Beginning Date/Time: 11-19-09 / 12:00 AM
Beginning Flow Rate (L/min): 3000
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 11-24-09
Time: 10:26 AM

Timer Ending Date/Time: 11-24-12:00 AM
Ending Flow Rate (L/min): 3000
Total Sample Volume (L): 0 FLO
Total Sample Time (min): 7200
Atmospheric pressure (mm Hg): 28.05
Temperature inside station unit (°F): 31 PUMP / 37 BOX

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

SIGNATURE: _____

DATE: _____

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA

TA-0032

Station Location: T-4QC (Troy Info Center)
 Field Technician: GA
 Pump Type/Model: SKC AirChek 2000
 Pump Number: 36444

Sample ID #: _____
 Filter Lot #: 18833-01
 Sample Type: TEM
 Sample Parent ID #: TA-0031

PUMP SETUP DAY

Date: 11-28-09
 Time: 2:00 PM

Timer Beginning Date/Time: 11-29-09 / 12:00 AM
 Beginning Flow Rate (L/min): 2000
 Pump Programmed (Yes / No): Yes
 Bios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 12-4-09
 Time: 8:57 AM

Timer Ending Date/Time: 12-4 12:00 AM
 Ending Flow Rate (L/min): 2000
 Total Sample Volume (L): 0 FLO
 Total Sample Time (min): 7200
 Atmospheric pressure (mm Hg): 27.82
 Temperature inside station unit (°F): 10 Pump / 1819 Box

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

SIGNATURE: _____

DATE: _____

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA
ADDITIONAL DAILY CHECK RECORDS

TA-0032

Station Location: T-4QC (Troy Info Center)

Sample ID:

Field Technician: JAFilter Lot #: 18833-01Pump Type/Model: SKC AirChek 2000Pump Number: 36444

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-29-09 (JA)Time: 7:10 PM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 2000Cumulative Sample Volume (L): 2301Cumulative Sample Time (min): 11.50Atmospheric pressure (mm Hg): 27.88Temperature inside station unit (°F): 36.5 Pump / 43.80xBattery voltage reading (volts): 12.95

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-30-09 (JA)Time: 4:55 PM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 2000Cumulative Sample Volume (L): 4911Cumulative Sample Time (min): 2455Atmospheric pressure (mm Hg): 27.57Temperature inside station unit (°F): 39.9 Pump / 46.80xBattery voltage reading (volts): 12.83

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 12-1-09 (JA)Time: 9:33 AM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 2000Cumulative Sample Volume (L): 6907Cumulative Sample Time (min): 3453Atmospheric pressure (mm Hg): 27.82Temperature inside station unit (°F): 27.7 Pump / 33.80xBattery voltage reading (volts): 12.74

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 12-2-09 (JA)Time: 8:25 ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 2000Cumulative Sample Volume (L): 9651Cumulative Sample Time (min): 4825Atmospheric pressure (mm Hg): 27.89Temperature inside station unit (°F): 21.7 Pump / 26.80xBattery voltage reading (volts): 12.62

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 12-3-09 (JA)Time: 7:07 PM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 2000Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 6907Atmospheric pressure (mm Hg): 27.89Temperature inside station unit (°F): 21.3 Pump / 26.80xBattery voltage reading (volts): 12.53

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA

TA-0041

Station Location: T-4QC (Troy Info Center)
Field Technician: CB
Pump Type/Model: SKC AirChek 2000
Pump Number: 36444

Sample ID #: _____
Filter Lot #: 18833-01
Sample Type: TEM
Sample Parent ID #: TA-0040

PUMP SETUP DAY

Date: 12-8-09 Timer Beginning Date/Time: 12-9-09 12:00 AM
Time: 1:34 Beginning Flow Rate (L/min): 3000
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 12-14-09 Timer Ending Date/Time: 12-14 1200 AM
Time: 5:41 PM Ending Flow Rate (L/min): 3000
Total Sample Volume (L): 0FL0
Total Sample Time (min): 7200
Atmospheric pressure (mm Hg): 27.99
Temperature inside station unit (°F): 68.8 pump / 71 Box

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

SIGNATURE: _____

DATE: _____

TETRA TECH EM INC.
OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA
ADDITIONAL DAILY CHECK RECORDS

TA-0041

Station Location: T-4QC (Troy Info Center) Sample ID # _____
Field Technician: JB Filter Lot #: 18833-01
Pump Type/Model: SKC AirChek 2000
Pump Number: 36444

DAILY CHECK (For each station visit)

(Field Tech Initials) _____ PUMP FAULT (Yes / No): NO
Date: 12-9-09 (JB) Flow Rate (L/min): 3000
Time: 4:05 pm () Cumulative Sample Volume (L): 2894
Cumulative Sample Time (min): 96.4
Atmospheric pressure (mm Hg): 28.01
Temperature inside station unit (°F): 63.6
Battery voltage reading (volts): 12.92

DAILY CHECK (For each station visit)

(Field Tech Initials) _____ PUMP FAULT (Yes / No): NO
Date: 12-10-09 (JB) Flow Rate (L/min): 3000
Time: 6:58 am () Cumulative Sample Volume (L): 27.74 ~~55.74~~
Cumulative Sample Time (min): 185.8
Atmospheric pressure (mm Hg): 27.94
Temperature inside station unit (°F): 61.5
Battery voltage reading (volts): 12.79

DAILY CHECK (For each station visit)

(Field Tech Initials) _____ PUMP FAULT (Yes / No): NO
Date: 12-11-09 (JB) Flow Rate (L/min): 3000
Time: 7:09 pm () Cumulative Sample Volume (L): 0540
Cumulative Sample Time (min): 4030
Atmospheric pressure (mm Hg): 27.67
Temperature inside station unit (°F): 67.4 Pump / 68.3 Box
Battery voltage reading (volts): 12.69

DAILY CHECK (For each station visit)

(Field Tech Initials) _____ PUMP FAULT (Yes / No): NO
Date: 12-12-09 (JB) Flow Rate (L/min): 3000
Time: 9:48 am () Cumulative Sample Volume (L): 0540
Cumulative Sample Time (min): 4908
Atmospheric pressure (mm Hg): 27.64
Temperature inside station unit (°F): 67.7 Pump / 68.3 Box
Battery voltage reading (volts): 12.64

DAILY CHECK (For each station visit)

(Field Tech Initials) _____ PUMP FAULT (Yes / No): NO
Date: 12-13-09 (JB) Flow Rate (L/min): 3000
Time: 2:28 pm () Cumulative Sample Volume (L): 0540
Cumulative Sample Time (min): 662.8
Atmospheric pressure (mm Hg): 27.64
Temperature inside station unit (°F): 76.1 Pump / 75.8 Box
Battery voltage reading (volts): 12.60

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA
ADDITIONAL DAILY CHECK RECORDS

TA-0052

Station Location: T-4QC (Troy Info Center)
 Field Technician: AA
 Pump Type/Model: SKC AirChek 2000
 Pump Number: 36444

Sample ID #:
 Filter Lot #: 18833-02

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 12-19-09 (AA)
 Time: 3:31 PM ()

PUMP FAULT (Yes / No): NO
 Flow Rate (L/min): 3000
 Cumulative Sample Volume (L): 27.92
 Cumulative Sample Time (min): 930
 Atmospheric pressure (mm Hg): 28.18
 Temperature inside station unit (°F): 89.0 PUMP / 80.80
 Battery voltage reading (volts): 12.97

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 12-20-09 (AA)
 Time: 10:42 AM ()

PUMP FAULT (Yes / No): NO
 Flow Rate (L/min): 3000
 Cumulative Sample Volume (L): 62.46
 Cumulative Sample Time (min): 2082
 Atmospheric pressure (mm Hg): 28.09
 Temperature inside station unit (°F): 86.9 PUMP / 78.80
 Battery voltage reading (volts): 12.80

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 12-21-09 (AA)
 Time: 5:39 PM ()

PUMP FAULT (Yes / No): NO
 Flow Rate (L/min): 3000
 Cumulative Sample Volume (L): 0 FLO
 Cumulative Sample Time (min): 39.40
 Atmospheric pressure (mm Hg): 27.83
 Temperature inside station unit (°F): 90.2 PUMP / 80.80
 Battery voltage reading (volts): 12.68

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 12-22-09 (AA)
 Time: 6:34 PM ()

PUMP FAULT (Yes / No): NO
 Flow Rate (L/min): 3000
 Cumulative Sample Volume (L): 0 FLO
 Cumulative Sample Time (min): 54.34
 Atmospheric pressure (mm Hg): 28.14
 Temperature inside station unit (°F): 88.2 PUMP / 79.80
 Battery voltage reading (volts): 12.63

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 12-23-09 (AA)
 Time: 7:21 PM ()

PUMP FAULT (Yes / No): NO
 Flow Rate (L/min): 3000
 Cumulative Sample Volume (L): 0 FLO
 Cumulative Sample Time (min): 69.21
 Atmospheric pressure (mm Hg): 28.44
 Temperature inside station unit (°F): 78.8 PUMP / 70.80
 Battery voltage reading (volts): 12.56

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA

TA-0052

Station Location: T-4QC (Tray Info Center)
Field Technician: JK
Pump Type/Model: SKC AirChek 2000
Pump Number: 36444

Sample ID #: _____
Filter Lot #: 18833-02
Sample Type: TEM
Sample Parent ID #: TA-0051

PUMP SETUP DAY

Date: 12-18-09
Time: 3:47 PM

Timer Beginning Date/Time: 12-19-09 12:00 AM
Beginning Flow Rate (L/min): 3000
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 12-24-09
Time: 3:24 PM

Timer Ending Date/Time: 12-24-09 12:00 AM
Ending Flow Rate (L/min): 3000
Total Sample Volume (L): 0820
Total Sample Time (min): 7200
Atmospheric pressure (mm Hg): 28.55
Temperature inside station unit (°F): 76.2 Pump / 74.3 box

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

SIGNATURE:

DATE:

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA S

TA-0061

Station Location: T-4QC (Troy Info Center)

Sample ID #:

Field Technician: DD

Filter Lot #: 18833- 02

Pump Type/Model: SKC AirChek 2000

Sample Type: TEM

Pump Number: 36444

Sample Parent ID #: TA-0060

PUMP SETUP DAY

Date: 12-28-09

Timer Beginning Date/Time: 12-29-09 12:00 AM

Time: 4:30 PM

Beginning Flow Rate (L/min): 3

Pump Programmed (Yes / No): Yes

Bios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 1-3-10

Timer Ending Date/Time: 1-2-10 12:00 AM

Time: 2:57 PM

Ending Flow Rate (L/min): 3

Total Sample Volume (L): 0.5 L

Total Sample Time (min): 7200

Atmospheric pressure (mm Hg): 28.48 IN5

Temperature inside station unit (°F): 90.6 Pump/84 BOX

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

Atmospheric pressure reading is
indicative of what is shown as pump

SIGNATURE:

DATE:

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA SHEET
ADDITIONAL DAILY CHECK RECORDS

TA-0061

Station Location: T-4QC (Troy Info Center)

Sample ID #:

Field Technician: GB

Filter Lot #: 18833-02

Pump Type/Model: SKC AirChek 2000

Pump Number: 36444

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 12-29-09 (GB)

Time: 7:10 PM ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3.000 3

Cumulative Sample Volume (L): 3449

Cumulative Sample Time (min): 1149

Atmospheric pressure (mm Hg): 28.13 ins

Temperature inside station unit (°F): 82.8 Pump / 71 Box

Battery voltage reading (volts): 12.88

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 12-30-09 (GB)

Time: 7:07 PM ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3.000 3

Cumulative Sample Volume (L): 7760

Cumulative Sample Time (min): 2586

Atmospheric pressure (mm Hg): 28.23 ins

Temperature inside station unit (°F): 86.9 Pump / 76 Box

Battery voltage reading (volts): 12.69

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 12-31-09 (GB)

Time: 10:07 ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3.000 3

Cumulative Sample Volume (L): 0 FLO

Cumulative Sample Time (min): 3482

Atmospheric pressure (mm Hg): 28.25 ins

Temperature inside station unit (°F): 85.2 Pump / 75 Box

Battery voltage reading (volts): 12.62

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-1-10 (GB)

Time: 12:17 PM ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3

Cumulative Sample Volume (L): 0 FLO

Cumulative Sample Time (min): 5057

Atmospheric pressure (mm Hg): 28.11 ins

Temperature inside station unit (°F): 89.1 Pump / 79 Box

Battery voltage reading (volts): 12.56

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-2-10 (GB)

Time: 11:18 AM ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3

Cumulative Sample Volume (L): 0 FLO

Cumulative Sample Time (min): 6438

Atmospheric pressure (mm Hg): 28.29 ins

Temperature inside station unit (°F): 91.6 Pump / 82 Box

Battery voltage reading (volts): 12.49

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA

TA-0070

Station Location: T-4QC (Troy Info Center)
Field Technician: 44
Pump Type/Model: SKC AirChek 2000
Pump Number: 36444

Sample ID # _____
Filter Lot #: 18833-02
Sample Type: TEM
Sample Parent ID #: TA-0069

PUMP SETUP DAY

Date: 1-7-10
Time: 3:29 PM

Timer Beginning Date/Time: 1-8-10 12:00 AM
Beginning Flow Rate (L/min): 3
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 1-13-10
Time: 9:07 AM

Timer Ending Date/Time: 1-13-10 12:00 AM
Ending Flow Rate (L/min): 3
Total Sample Volume (L): 0.940
Total Sample Time (min): 7200
Atmospheric Pressure (INS): 28.18
Temperature inside station unit (°F): 89.3 Pump / 79.60x

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

SIGNATURE: DATE: 1-13-10

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA
ADDITIONAL DAILY CHECK RECORDS

TA-0070

Station Location: T-4QC (Troy Info Center)

Sample ID #

Field Technician: GGFilter Lot #: 18833-02Pump Type/Model: SKC AirChek 2000Pump Number: 36444

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 1-8-10 (GG)Flow Rate (L/min): 3Time: 11:53am ()Cumulative Sample Volume (L): 2138Cumulative Sample Time (min): 712Atmospheric Pressure (INS): 28.51Temperature inside station unit (°F): 69.5 Pump/56 BoxBattery voltage reading (volts): 12.88

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 1-9-10 (GG)Flow Rate (L/min): 3Time: 11:09am ()Cumulative Sample Volume (L): 6326Cumulative Sample Time (min): 2108Atmospheric Pressure (INS): 28.49Temperature inside station unit (°F): 74.8 Pump/62 BoxBattery voltage reading (volts): 12.76

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 1-10-10 (GG)Flow Rate (L/min): 3Time: 12:13pm ()Cumulative Sample Volume (L): 0FLOCumulative Sample Time (min): 3613Atmospheric Pressure (INS): 28.49Temperature inside station unit (°F): 88.3 Pump/76 BoxBattery voltage reading (volts): 12.64

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 1-11-10 (GG)Flow Rate (L/min): 3Time: 8:08am ()Cumulative Sample Volume (L): 0FLOCumulative Sample Time (min): 4808Atmospheric Pressure (INS): 28.28Temperature inside station unit (°F): 88.6 Pump/76 BoxBattery voltage reading (volts): 12.59

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 1-12-10 (GG)Flow Rate (L/min): 3Time: 10:06am ()Cumulative Sample Volume (L): 0FLOCumulative Sample Time (min): 6365Atmospheric Pressure (INS): 28.03Temperature inside station unit (°F): 89.8 Pump/78 BoxBattery voltage reading (volts): 12.55

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA 5

TA-0081

Station Location: T-4QC (Troy Info Center)
Field Technician: JD
Pump Type/Model: SKC AirChek 2000
Pump Number: 36444

Sample ID #: _____
Filter Lot #: 18833-02
Sample Type: TEM
Sample Parent ID #: TA-0080

PUMP SETUP DAY

Date: 1-17-10
Time: 2:58 PM

Timer Beginning Date/Time: 1-18-10 ^{12:00 AM}
Beginning Flow Rate (L/min): 3
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 1-23-10
Time: 9:45 AM

Timer Ending Date/Time: 1-23-10 ^{12:00 AM}
Ending Flow Rate (L/min): 3
Total Sample Volume (L): 0.40
Total Sample Time (min): 7200
Atmospheric Pressure (INS): 27.65
Temperature inside station unit (°F): 80.5 Pump/63 Box

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

SIGNATURE: JDDATE: 1-23-10

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA
ADDITIONAL DAILY CHECK RECORDS

TA-0081

Station Location: T-4QC (Troy Info Center) Sample ID #: _____
 Field Technician: 99 Filter Lot #: 18833-02
 Pump Type/Model: SKC AirChek 2000
 Pump Number: 36444

DAILY CHECK (For each station visit)

(Field Tech Initials) PUMP FAULT (Yes / No): NO
 Date: 1-18-10 (99) Flow Rate (L/min): 3
 Time: 11:23 AM () Cumulative Sample Volume (L): 2049
 Cumulative Sample Time (min): 683
 Atmospheric Pressure (INS) 27.78
 Temperature inside station unit (°F): 88.4 Pump / 79 Box
 Battery voltage reading (volts): 12.86

DAILY CHECK (For each station visit)

(Field Tech Initials) PUMP FAULT (Yes / No): NO
 Date: 1-19-10 (99) Flow Rate (L/min): 3
 Time: 10:34 AM () Cumulative Sample Volume (L): 6223
 Cumulative Sample Time (min): 2074
 Atmospheric Pressure (INS) 27.66
 Temperature inside station unit (°F): 84.9 Pump / 81 Box
 Battery voltage reading (volts): 12.68

DAILY CHECK (For each station visit)

(Field Tech Initials) PUMP FAULT (Yes / No): NO
 Date: 1-20-10 (99) Flow Rate (L/min): 3
 Time: 1:22 PM () Cumulative Sample Volume (L): 0FL0
 Cumulative Sample Time (min): 3682
 Atmospheric Pressure (INS) 27.58
 Temperature inside station unit (°F): 92.9 Pump / 84 Box
 Battery voltage reading (volts): 12.60

DAILY CHECK (For each station visit)

(Field Tech Initials) PUMP FAULT (Yes / No): NO
 Date: 1-21-10 (99) Flow Rate (L/min): 3
 Time: 10:00 AM () Cumulative Sample Volume (L): 0FL0
 Cumulative Sample Time (min): 4920
 Atmospheric Pressure (INS) 27.50
 Temperature inside station unit (°F): 84.5 Pump / 74 Box
 Battery voltage reading (volts): 12.55

DAILY CHECK (For each station visit)

(Field Tech Initials) PUMP FAULT (Yes / No): NO
 Date: 1-22-10 (99) Flow Rate (L/min): 3
 Time: 12:43 PM () Cumulative Sample Volume (L): 0FL0
 Cumulative Sample Time (min): 6522
 Atmospheric Pressure (INS) 27.43
 Temperature inside station unit (°F): 85.1 Pump / 75 Box
 Battery voltage reading (volts): 12.47

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA SHEET (5000)

ADDITIONAL DAILY CHECK RECORDS

TA-0003

Station Location: T-5

Sample ID #:

Field Technician: JF

Filter ID #: 18833-01

Pump Type/Model: SKC AirChek 2000

Pump Number: 36427

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 10-31-09 (JF)

Time: 9:48 AM ()

PUMP FAULT (Yes / No): NO

Timer Time (min): 2027

Flow Rate (L/min): 3000

Cumulative Sample Volume (L): 6084

Cumulative Sample Time (min): 2027

Atmospheric pressure (mm Hg): 27.58

Temperature inside station unit (°F): 56.6

Battery voltage reading (volts): 12.62

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-1-09 (JF)

Time: 2:00 PM ()

PUMP FAULT (Yes / No): NO

Timer Time (min): 3779

Flow Rate (L/min): 3000

Cumulative Sample Volume (L): 0 FLO

Cumulative Sample Time (min): 3779

Atmospheric pressure (mm Hg): 28.06

Temperature inside station unit (°F): 57.7 Pump / 51° box

Battery voltage reading (volts): 12.55

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-2-09 (JF)

Time: 8:31 AM ()

PUMP FAULT (Yes / No): NO

Timer Time (min): 4890

Flow Rate (L/min): 3000

Cumulative Sample Volume (L): 0 FLO

Cumulative Sample Time (min): 4890

Atmospheric pressure (mm Hg): 28.06

Temperature inside station unit (°F): 39.1 Pump / 30 box

Battery voltage reading (volts): 12.47

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-3-09 (JF)

Time: 8:45 AM ()

PUMP FAULT (Yes / No): NO

Timer Time (min): 6345

Flow Rate (L/min): 3000

Cumulative Sample Volume (L): 0 FLO

Cumulative Sample Time (min): 6345

Atmospheric pressure (mm Hg): 28.06

Temperature inside station unit (°F): 40.1 Pump / 32 box

Battery voltage reading (volts): 12.42

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11/4/09 (JF)

Time: 10:45 AM (JF)

PUMP FAULT (Yes / No):

Timer Time (min):

Flow Rate (L/min):

Cumulative Sample Volume (L):

Cumulative Sample Time (min):

Atmospheric pressure (mm Hg):

Temperature inside station unit (°F):

Battery voltage reading (volts): 12.50

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA SHEET (FSDS)

TA-0003

Station Location: T- S
Field Technician: MAS, JJ
Pump Type/Model: SKC AirChek 2000
Pump Number: 36427

Sample ID #: _____
Filter ID #: 18833-01
Sample Type: TEM
Sample Parent ID #: TA-0003

START DAY

Date: 10/30/09
Time: 12:00 AM
Timer Beginning Time: 12:00 AM
Beginning Flow Rate (L/min): 3 LPM
Atmospheric pressure (mm Hg): _____
Temperature inside station unit (°F): _____

STOP DAY

Date: 11/4/09
Time: 10:45 AM
Timer Ending Time: 12:00 AM
Ending Flow Rate (L/min): 3000
Total Sample Volume (L): 0FLD
Total Sample Time (min): 7200
Atmospheric pressure (mm Hg): 27.93
Temperature inside station unit (°F): 54.3°

DAILY CHECK (complete separate DAILY CHECK for each station visit - additional records on back)

(Field Tech Initials) _____ PUMP FAULT (Yes / No): NO
Date: 10/30/09 (MA) Timer Time (min): 652
Time: 10:52 AM () Flow Rate (L/min): 3000 mL/min
Cumulative Sample Volume (L): 19.57
Cumulative Sample Time (min): 652
Atmospheric pressure (mm Hg): 27.67 ins
Temperature inside station unit (°F): 49.2°
Battery voltage reading (volts): 12.74

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

Added store thermometer inside box 10/31/09

SIGNATURE: _____

DATE: _____

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA SHEET (ESDS)

TA-0015

Station Location: T-5 (County Shops)

Sample ID #:

Field Technician:

Filter Lot #: 18833-01

Pump Type/Model: SKC AirChek 2000

Sample Type: TEM

Pump Number: 36427

Sample Parent ID #: TA-0015

START DAY

Date: 11-9-09

Timer Beginning Time: 12:00 AM

Time: 12:00 AM

Beginning Flow Rate (L/min): 3000

Pump Programmed (Yes / No): Yes

Bios Calibration Within 10 mL (Yes / No): Yes

STOP DAY

Date: 11-14-09

Timer Ending Time: 7:00 12:00 AM

Time: 2:14 PM

Ending Flow Rate (L/min): 3000

Total Sample Volume (L): 0.40

Total Sample Time (min): 7200

Atmospheric pressure (mm Hg): 27.84

Temperature inside station unit (°F): 37.4 / Pump / 40 Box

DAILY CHECK (complete separate DAILY CHECK for each station visit - additional records on back)

(Field Tech Initials)

PUMP FAULT (Yes / No):

Date: ()

Flow Rate (L/min):

Time: ()

Cumulative Sample Volume (L):

Cumulative Sample Time (min):

Atmospheric pressure (mm Hg):

Temperature inside station unit (°F):

Battery voltage reading (volts):

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

SIGNATURE:

DATE:

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA SHEET (ESDS)

ADDITIONAL DAILY CHECK RECORDS

TA-0015

Station Location: T-5 (County Shops)

Sample ID #:

Field Technician: QA

Filter Lot #: 18833-01

Pump Type/Model: SKC AirChek 2000

Pump Number: 36427

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-09-09 (QA)

Time: 7:44 AM ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3000

Cumulative Sample Volume (L): 1392

Cumulative Sample Time (min): 463

Atmospheric pressure (mm Hg): 27.83

Temperature inside station unit (°F): 42.5 Pump / 35 Box

Battery voltage reading (volts): 12.91

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-10-09 (QA)

Time: 2:23 PM ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3000

Cumulative Sample Volume (L): 6909

Cumulative Sample Time (min): 2302

Atmospheric pressure (mm Hg): 27.89

Temperature inside station unit (°F): 56.8 Pump / 49 Box

Battery voltage reading (volts): 12.75

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-11-09 (QA)

Time: 11:40 AM ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3000

Cumulative Sample Volume (L): 0 FLO

Cumulative Sample Time (min): 3579

Atmospheric pressure (mm Hg): 27.61

Temperature inside station unit (°F): 44.7 Pump / 39 Box

Battery voltage reading (volts): 12.62

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-12-09 (QA)

Time: 1:49 PM ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3000

Cumulative Sample Volume (L): 0 FLO

Cumulative Sample Time (min): 5149

Atmospheric pressure (mm Hg): 27.56

Temperature inside station unit (°F): 50.7 Pump / 43 Box

Battery voltage reading (volts): 12.53

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-13-09 (QA)

Time: 1:02 PM ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3000

Cumulative Sample Volume (L): 0 FLO

Cumulative Sample Time (min): 6542

Atmospheric pressure (mm Hg): 27.35

Temperature inside station unit (°F): 43.4 Pump / 36 Box

Battery voltage reading (volts): 12.47

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA
ADDITIONAL DAILY CHECK RECORDS

TA-0024

Station Location: T-5 (County Shops)
 Field Technician: DB
 Pump Type/Model: SKC AirChek 2000
 Pump Number: 36427

Sample ID #
 Filter Lot #: 18833-01

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 11-19-09 (DB)
 Time: 8:46 AM ()

PUMP FAULT (Yes / No): NO
 Flow Rate (L/min): 3000
 Cumulative Sample Volume (L): 1578
 Cumulative Sample Time (min): 525
 Atmospheric pressure (mm Hg): 27.74
 Temperature inside station unit (°F): 84.5 Pump / 34 Box
 Battery voltage reading (volts): 12.85
 Pet heater volts: 12.52

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 11-20-09 (DB)
 Time: 8:31 AM ()

PUMP FAULT (Yes / No): NO
 Flow Rate (L/min): 3000
 Cumulative Sample Volume (L): 5851
 Cumulative Sample Time (min): 1950
 Atmospheric pressure (mm Hg): 27.41
 Temperature inside station unit (°F): 51.4 Pump / 37 Box 39 Box
 Battery voltage reading (volts): 12.68
 Pet heater: 12.38

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 11-21-09 (DB)
 Time: 4:05 PM ()

PUMP FAULT (Yes / No): NO
 Flow Rate (L/min): 3000
 Cumulative Sample Volume (L): 3520
 Cumulative Sample Time (min): 3846
 Atmospheric pressure (mm Hg): 27.68
 Temperature inside station unit (°F): 57.7 Pump / 45 Box
 Battery voltage reading (volts): 12.52
 Pet Heater: 12.17

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 11-22-09 (DB)
 Time: 1:15 PM ()

PUMP FAULT (Yes / No): NO
 Flow Rate (L/min): 3000
 Cumulative Sample Volume (L): 3520
 Cumulative Sample Time (min): 5115
 Atmospheric pressure (mm Hg): 27.42
 Temperature inside station unit (°F): 54.6 Pump / 41 Box
 Battery voltage reading (volts): 12.46
 Pet Heater: 11.99

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 11-23-09 (DB)
 Time: 5:04 PM ()

PUMP FAULT (Yes / No): NO
 Flow Rate (L/min): 3000
 Cumulative Sample Volume (L): 3520
 Cumulative Sample Time (min): 6785
 Atmospheric pressure (mm Hg): 28.08
 Temperature inside station unit (°F): 56.6 Pump / 44 Box
 Battery voltage reading (volts): 12.35
 Pet Heater: 11.78

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA S

TA-0024

Station Location: T-5 (County Shops)
Field Technician: JD
Pump Type/Model: SKC AirChek 2000
Pump Number: 36427

Sample ID #: _____
Filter Lot #: 18833-01
Sample Type: TEM
Sample Parent ID #: TA-002

PUMP SETUP DAY

Date: 11-18-09
Time: 3:00 pm

Timer Beginning Date/Time: 11-19-09 / 12:00 AM
Beginning Flow Rate (L/min): 3000
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 11-24-09
Time: 9:49 AM

Timer Ending Date/Time: 11-24 - 12:00 AM
Ending Flow Rate (L/min): 3000
Total Sample Volume (L): 0.420
Total Sample Time (min): 7200
Atmospheric pressure (mm Hg): 28.00
Temperature inside station unit (°F): 49.5 PUMP / 41.80X

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

SIGNATURE: _____

DATE: _____

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA

TA-0033

Station Location: T-5 (County Shops)
Field Technician: [Signature]
Pump Type/Model: SKC AirChek 2000
Pump Number: 36427

Sample ID #: _____
Filter Lot #: 18833-01
Sample Type: TEM
Sample Parent ID #: _____

PUMP SETUP DAY

Date: 11-28-09
Time: 1:59 pm

Timer Beginning Date/Time: 11-29-09 / 12:00 AM
Beginning Flow Rate (L/min): 2000
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 12-4-09
Time: 8:12 AM

Timer Ending Date/Time: 12-4 12:00 AM
Ending Flow Rate (L/min): 2000
Total Sample Volume (L): 0.640
Total Sample Time (min): 72.00
Atmospheric pressure (mm Hg): 27.78
Temperature inside station unit (°F): 23 pump / 20 box

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

SIGNATURE: _____

DATE: _____

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA
ADDITIONAL DAILY CHECK RECORDS

TA-0033

Station Location: T-5 (County Shops)

Sample ID :

Field Technician: JDFilter Lot #: 18833-01

Pump Type/Model: SKC AirChek 2000

Pump Number: 36427

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 11/29/09 (JD)Flow Rate (L/min): 2000Time: 7:03 PM ()Cumulative Sample Volume (L): 2285Cumulative Sample Time (min): 1142Atmospheric pressure (mm Hg): 27.90Temperature inside station unit (°F): 47.7 Pump / 43 BoxBattery voltage reading (volts): 12.83

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 11-30-09 (JD)Flow Rate (L/min): 2000Time: 4:26 PM ()Cumulative Sample Volume (L): 4852Cumulative Sample Time (min): 2426Atmospheric pressure (mm Hg): 27.57Temperature inside station unit (°F): 50.8 Pump / 46 BoxBattery voltage reading (volts): 12.74

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 12-1-09 (JD)Flow Rate (L/min): 2000Time: 3:40 PM ()Cumulative Sample Volume (L): 7641Cumulative Sample Time (min): 3820Atmospheric pressure (mm Hg): 27.88Temperature inside station unit (°F): 46.4 Pump / 41 BoxBattery voltage reading (volts): 12.67

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 12-2-09 (JD)Flow Rate (L/min): 2000Time: 8:15 AM ()Cumulative Sample Volume (L): 9631Cumulative Sample Time (min): 4815Atmospheric pressure (mm Hg): 27.89Temperature inside station unit (°F): 30.4 Pump / 24 BoxBattery voltage reading (volts): 12.59

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 12-3-09 (JD)Flow Rate (L/min): 2000Time: 7:17 PM ()Cumulative Sample Volume (L): 0640Cumulative Sample Time (min): 6917Atmospheric pressure (mm Hg): 27.89Temperature inside station unit (°F): 30.1 Pump / 23 BoxBattery voltage reading (volts): 12.54

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA

TA-0042

Station Location: T-5 (County Shops)
Field Technician: [Signature]
Pump Type/Model: SKC AirChek 2000
Pump Number: 36427

Sample ID #: _____
Filter Lot #: 18833- 01
Sample Type: TEM
Sample Parent ID #: _____

PUMP SETUP DAY

Date: 12-8-09
Time: 1:35 PM

Timer Beginning Date/Time: 12-9-09 12:00 PM
Beginning Flow Rate (L/min): 3000
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 12-14-09
Time: 4:50 PM

Timer Ending Date/Time: 12-14 12:00 PM
Ending Flow Rate (L/min): 3000
Total Sample Volume (L): 0FLO
Total Sample Time (min): 7200
Atmospheric pressure (mm Hg): 27.64
Temperature inside station unit (°F): 37.5 Pump / 27 Box

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

Pump fault / F 4A was displayed
on Pump all data for recording
was all there. But F 4A was also
there on display screen. on 12-10-09
12-12-09, 12-13-09
did not notice in on 12-11-09

Pet Heater battery was too low for
heater operation 12-14-09

SIGNATURE: [Signature]DATE: 12-12-09

TETRA TECH EM INC.

OUT7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA ADDITIONAL DAILY CHECK RECORDS

TA-0042

Station Location: T-5 (County Shops)
 Field Technician: MS, JT
 Pump Type/Model: SKC AirChek 2000
 Pump Number: 36427

Sample ID #
 Filter Lot #: 18833-01

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 12/9/09 (MS, JT)
 Time: 1658 (MS, JT)

PUMP FAULT (Yes / No): NO
 Flow Rate (L/min): 3000
 Cumulative Sample Volume (L): 3060
 Cumulative Sample Time (min): 109
 Atmospheric pressure (mm Hg): 27.75
 Temperature inside station unit (°F): 34
 Battery voltage reading (volts): 12.79 / 12.49 HEATER

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 12-10-09 (JT)
 Time: 4:19 ()

PUMP FAULT (Yes / No): YES / NO
 Flow Rate (L/min): 3000
 Cumulative Sample Volume (L): 5457
 Cumulative Sample Time (min): 1813
 Atmospheric pressure (mm Hg): 27.67
 Temperature inside station unit (°F): 32.6
 Battery voltage reading (volts): 12.70 Pump
12.37 heater

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 12-11-09 (JT)
 Time: 8:02 ()

PUMP FAULT (Yes / No): NO
 Flow Rate (L/min): 3000
 Cumulative Sample Volume (L): 8420
 Cumulative Sample Time (min): 4082
 Atmospheric pressure (mm Hg): 27.32
 Temperature inside station unit (°F): 36.4 Pump / 23 Box
 Battery voltage reading (volts): 12.55
Heater 12.07

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 12-12-09 (JT)
 Time: 9:25 AM ()

PUMP FAULT (Yes / No): NO
 Flow Rate (L/min): 3000
 Cumulative Sample Volume (L): 8420
 Cumulative Sample Time (min): 4885
 Atmospheric pressure (mm Hg): 27.29
 Temperature inside station unit (°F): 37.1 Pump / 23 Box
 Battery voltage reading (volts): 12.53
Heater 11.95

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 12-12-09 (JT)
 Time: 3:19 PM ()

PUMP FAULT (Yes / No): NO
 Flow Rate (L/min): 3000
 Cumulative Sample Volume (L): 8420
 Cumulative Sample Time (min): 6679
 Atmospheric pressure (mm Hg): 27.31
 Temperature inside station unit (°F): 45.8 Pump / 32 Box
 Battery voltage reading (volts): 12.49
Heater 11.66

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA
ADDITIONAL DAILY CHECK RECORDS

TA-0053

Station Location: T-5 (County Shops)

Sample ID #:

Field Technician: JP

Filter Lot #: 18833-02

Pump Type/Model: SKC AirChek 2000

Pump Number: 36427

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 12-19-09 (JP)Time: 3:23 PM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3000Cumulative Sample Volume (L): 2770Cumulative Sample Time (min): 923Atmospheric pressure (mm Hg): 27.77Temperature inside station unit (F): 47.9 Pump / 39.80xBattery voltage reading (volts): 12.44heater - 12.71

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 12-20-09 (JP)Time: 11:18 AM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3000Cumulative Sample Volume (L): 6354Cumulative Sample Time (min): 2118Atmospheric pressure (mm Hg): 27.65Temperature inside station unit (F): 46.1 Pump / 37.80xBattery voltage reading (volts): 12.39heater - 12.52

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 12-21-09 (JP)Time: 5:07 PM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3000Cumulative Sample Volume (L): 0FL0Cumulative Sample Time (min): 3907Atmospheric pressure (mm Hg): 37.35Temperature inside station unit (F): 54.2 Pump / 42.80xBattery voltage reading (volts): 12.33heater - 12.02

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 12-22-09 (JP)Time: 6:03 PM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3000Cumulative Sample Volume (L): 0FL0Cumulative Sample Time (min): 5403Atmospheric pressure (mm Hg): 27.71Temperature inside station unit (F): 51.58 Pump / 40.80xBattery voltage reading (volts): 12.27heater - 11.72

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 12-23-09 (JP)Time: 6:48 PM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3000Cumulative Sample Volume (L): 0FL0Cumulative Sample Time (min): 6888Atmospheric pressure (mm Hg): 28.01Temperature inside station unit (F): 43.6 Pump / 33.80xBattery voltage reading (volts): 12.19heater - 11.23

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA SHEET

TA-0053

Station Location: T-5 (County Shops)

Sample ID #:

Field Technician: JOFilter Lot #: 18833-02Pump Type/Model: SKC AirChek 2000Sample Type: TEMPump Number: 36427Sample Parent ID #: TA-0053

PUMP SETUP DAY

Date: 12-18-09Time: 3:48 pmTimer Beginning Date/Time: 12-19-09 12:00 PMBeginning Flow Rate (L/min): 3000Pump Programmed (Yes / No): YesBios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 12-24-09Time: 2:46 pmTimer Ending Date/Time: 12-24-09 12:00 PMEnding Flow Rate (L/min): 3000Total Sample Volume (L): 0 FLOTotal Sample Time (min): 7200Atmospheric pressure (mm Hg): 28.11Temperature inside station unit (°F): 36.0 Pump / 31.80x

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

SIGNATURE:

DATE:

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA

TA-0062

Station Location: T-5 (County Shops)
Field Technician: JD
Pump Type/Model: SKC AirChek 2000
Pump Number: 36427

Sample ID #: _____
Filter Lot #: 18833-02
Sample Type: TEM
Sample Parent ID #: TA-0062

PUMP SETUP DAY

Date: 12-28-09
Time: 4:31 PM

Timer Beginning Date/Time: 12-29-09 12:00 AM
Beginning Flow Rate (L/min): ~~3.00~~ 3
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 1-3-10
Time: 2:15 PM

Timer Ending Date/Time: 1-2-10 12:00 AM
Ending Flow Rate (L/min): 3
Total Sample Volume (L): 0 FLO
Total Sample Time (min): 7200
Atmospheric pressure (mm Hg): 28.03 INS
Temperature inside station unit (°F): 46.0 Pump / 39 Box

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

Atmospheric pressure heading indicates
what pump display shows

SIGNATURE: _____

DATE: _____

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA
ADDITIONAL DAILY CHECK RECORDS

TA-0062

Station Location: T-5 (County Shops)

Sample ID #:

Field Technician: QYFilter Lot #: 18833-02

Pump Type/Model: SKC AirChek 2000

Pump Number: 36427

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 12-29-09 (QY)Flow Rate (L/min): 3000PP 3Time: 6:35 PM ()Cumulative Sample Volume (L): 3646Cumulative Sample Time (min): 1115Atmospheric pressure (mm Hg): 27.63 insTemperature inside station unit (°F): 45.1 P4mp/31 BoxBattery voltage reading (volts): 12.98heater - 12.62

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 12-30-09 (QY)Flow Rate (L/min): 3000PP 3Time: 6:26 PM ()Cumulative Sample Volume (L): 7639Cumulative Sample Time (min): 2546Atmospheric pressure (mm Hg): 27.75 insTemperature inside station unit (°F): 47.5 P4mp/33 BoxBattery voltage reading (volts): 12.81heater - 12.26

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 12-31-09 (QY)Flow Rate (L/min): 3000PP 3Time: 9:34 AM ()Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 3455Atmospheric pressure (mm Hg): 27.79 insTemperature inside station unit (°F): 48.1 P4mp/33 BoxBattery voltage reading (volts): 12.72heater - 12.11

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 1-1-10 (QY)Flow Rate (L/min): 3Time: 11:41 AM ()Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 5022Atmospheric pressure (mm Hg): 27.67 insTemperature inside station unit (°F): 51.1 P4mp/37 BoxBattery voltage reading (volts): 12.58heater - 11.86

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 1-2-10 (QY)Flow Rate (L/min): 3Time: 10:42 AM ()Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 6402Atmospheric pressure (mm Hg): 27.90 INSTemperature inside station unit (°F): 53.3 P4mp/40 BoxBattery voltage reading (volts): 12.47heater - 11.53

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA

TA-0071

Station Location: T-5 (County Shops)
Field Technician: AA
Pump Type/Model: SKC AirChek 2000
Pump Number: 36427

Sample ID # _____
Filter Lot #: 18833-02
Sample Type: TEM
Sample Parent ID #: TA-0071

PUMP SETUP DAY

Date: 1-7-10
Time: 3:30 PM

Timer Beginning Date/Time: 1-8-10 12:00AM
Beginning Flow Rate (L/min): 3
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 1/13/10
Time: 1000 AM

Timer Ending Date/Time: 1/13/10 @ 12:00AM
Ending Flow Rate (L/min): 3
Total Sample Volume (L): 0FL0
Total Sample Time (min): 7200
Atmospheric Pressure (INS): 27.60
Temperature inside station unit (°F): 41.3 PUMP, 35 BOX

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

SIGNATURE: DATE: 1-13-10

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA
ADDITIONAL DAILY CHECK RECORDS

TA-0071

Station Location: T-5 (County Shops)

Sample ID #

Field Technician: ggFilter Lot #: 18833-02

Pump Type/Model: SKC AirChek 2000

Pump Number: 36427

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-8-10 (gg)Time: 12:32pm ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3Cumulative Sample Volume (L): 2257Cumulative Sample Time (min): 751Atmospheric Pressure (INS): 28.23Temperature inside station unit (°F): 39.7 Pump/24 BoxBattery voltage reading (volts): 12.81heater - 12.56

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-9-10 (gg)Time: 10:34am ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3Cumulative Sample Volume (L): 6222Cumulative Sample Time (min): 2073Atmospheric Pressure (INS): 28.17Temperature inside station unit (°F): 39.6 Pump/24 BoxBattery voltage reading (volts): 12.68heater - 12.14

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-10-10 (gg)Time: 11:40am ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3Cumulative Sample Volume (L): 0FL0Cumulative Sample Time (min): 3580Atmospheric Pressure (INS): 28.22Temperature inside station unit (°F): 49.9 Pump/35 BoxBattery voltage reading (volts): 12.5312.77

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-11-10 (gg)Time: 7:37am ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3Cumulative Sample Volume (L): 0FL0Cumulative Sample Time (min): 4777Atmospheric Pressure (INS): 28.00Temperature inside station unit (°F): 50.6 Pump/36 BoxBattery voltage reading (volts): 12.45heater - 11.51

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1/12/10 (ms)Time: 11:28 am (ms)PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3Cumulative Sample Volume (L): 0FL0Cumulative Sample Time (min): 6448Atmospheric Pressure (INS): 27.60Temperature inside station unit (°F): 47.7 Pump, 38 BoxBattery voltage reading (volts): 12.38HEATER 12.02

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA S

TA-0082

Station Location: T-5 (County Shops)
Field Technician: JA
Pump Type/Model: SKC AirChek 2000
Pump Number: 36427

Sample ID #: _____
Filter Lot #: 18833-02
Sample Type: TEM
Sample Parent ID #: TA-0082

PUMP SETUP DAY

Date: 1-17-10
Time: 2:59 pm

Timer Beginning Date/Time: 1-18-10 12:00 AM
Beginning Flow Rate (L/min): 3
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 1-23-10
Time: 9:04 AM

Timer Ending Date/Time: 1-23-10 12:00 AM
Ending Flow Rate (L/min): 3
Total Sample Volume (L): 0.640
Total Sample Time (min): 7200
Atmospheric Pressure (INS): 27.18
Temperature inside station unit (°F): 45.2 Pump / 35 Box

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

switched out heater battery (dead)
1-21-10

SIGNATURE: Jeff JordanDATE: 1-23-10

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA
ADDITIONAL DAILY CHECK RECORDS

TA-0082

Station Location: T-5 (County Shops)
 Field Technician: QA
 Pump Type/Model: SKC AirChek 2000
 Pump Number: 36427

Sample ID #
 Filter Lot #: 18833-02

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 1-18-10 (QA)
 Time: 10:50 AM ()

PUMP FAULT (Yes / No): NO
 Flow Rate (L/min): 3
 Cumulative Sample Volume (L): 1950
 Cumulative Sample Time (min): 650
 Atmospheric Pressure (INS): 27.30
 Temperature inside station unit (°F): 53.9 PUMP / 41 BOX
 Battery voltage reading (volts): 12.93
heater - 12.28

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 1-19-10 (QA)
 Time: 10:20 AM ()

PUMP FAULT (Yes / No): NO
 Flow Rate (L/min): 3
 Cumulative Sample Volume (L): 6180
 Cumulative Sample Time (min): 2060
 Atmospheric Pressure (INS): 27.15
 Temperature inside station unit (°F): 52.5 PUMP / 41 BOX
 Battery voltage reading (volts): 12.74
heater - 11.80

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 1-20-10 (QA)
 Time: 12:45 PM ()

PUMP FAULT (Yes / No): NO
 Flow Rate (L/min): 3
 Cumulative Sample Volume (L): 0520
 Cumulative Sample Time (min): 3645
 Atmospheric Pressure (INS): 27.08
 Temperature inside station unit (°F): 53.2 PUMP / 41 BOX
 Battery voltage reading (volts): 12.59
heater - 11.42

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 1-21-10 (QA)
 Time: 9:30 AM ()

PUMP FAULT (Yes / No): NO
 Flow Rate (L/min): 3
 Cumulative Sample Volume (L): 0520
 Cumulative Sample Time (min): 4890
 Atmospheric Pressure (INS): 27.00
 Temperature inside station unit (°F): 41.9 PUMP / 35 BOX
 Battery voltage reading (volts): 12.50
heater - 10.73

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 1-22-10 (QA)
 Time: 12:07 PM ()

PUMP FAULT (Yes / No): NO
 Flow Rate (L/min): 3
 Cumulative Sample Volume (L): 0520
 Cumulative Sample Time (min): 6486
 Atmospheric Pressure (INS): 26.88
 Temperature inside station unit (°F): 46.9 PUMP / 36 BOX
 Battery voltage reading (volts): 12.40
heater - 12.23

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA SHEET (ESDS)

ADDITIONAL DAILY CHECK RECORDS

TA-0002

Station Location: T- 6

Sample ID #:

Field Technician: JPFilter ID #: 1883301Pump Type/Model: SKC AirChek 2000Pump Number: 36422

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 10/31/09 (JP)Time: 9:41 am ()PUMP FAULT (Yes / No): NOTimer Time (min): 2021Flow Rate (L/min): 3000Cumulative Sample Volume (L): 6063Cumulative Sample Time (min): 2021Atmospheric pressure (mm Hg): 27.53Temperature inside station unit (°F): 60.8Battery voltage reading (volts): 12.64

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-1-09 (JP)Time: 2:08 PM ()PUMP FAULT (Yes / No): NOTimer Time (min): 3787Flow Rate (L/min): 3000Cumulative Sample Volume (L): 0FLOCumulative Sample Time (min): 3787Atmospheric pressure (mm Hg): 28.05Temperature inside station unit (°F): 69.8Battery voltage reading (volts): 12.57

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-2-09 (JP)Time: 8:36 am ()PUMP FAULT (Yes / No): NOTimer Time (min): 4895Flow Rate (L/min): 3000Cumulative Sample Volume (L): 0FLOCumulative Sample Time (min): 4895Atmospheric pressure (mm Hg): 27.99Temperature inside station unit (°F): 42.3Battery voltage reading (volts): 12.47

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-3-09 (JP)Time: 8:50 am ()PUMP FAULT (Yes / No): NOTimer Time (min): 6350Flow Rate (L/min): 3000Cumulative Sample Volume (L): 0FLOCumulative Sample Time (min): 6350Atmospheric pressure (mm Hg): 28.01Temperature inside station unit (°F): 43.2Battery voltage reading (volts): 12.42

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11/4/09 (JP)Time: 10:40 am (JP)

PUMP FAULT (Yes / No):

Timer Time (min):

Flow Rate (L/min):

Cumulative Sample Volume (L):

Cumulative Sample Time (min):

Atmospheric pressure (mm Hg):

Temperature inside station unit (°F):

Battery voltage reading (volts): 12.50

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA SHEET (FSDS)

TA-0002

Station Location: T- 6
Field Technician: MAS, JJ
Pump Type/Model: SKC AirChek 2000
Pump Number: 36422

Sample ID #
Filter ID #: 18833-01
Sample Type: TEM
Sample Parent ID #: TA-0002

START DAY

Date: 10/30/09
Time: 12:00 AM
Timer Beginning Time: 12:00 AM
Beginning Flow Rate (L/min): 3 LPM
Atmospheric pressure (mm Hg):
Temperature inside station unit (°F):

STOP DAY

Date: 11/4/09
Time: 10:40 AM
Timer Ending Time: 12:00 AM
Ending Flow Rate (L/min): 3000
Total Sample Volume (L): 0FLO
Total Sample Time (min): 7200
Atmospheric pressure (mm Hg): 27.96
Temperature inside station unit (°F): 56.5°

DAILY CHECK (complete separate DAILY CHECK for each station visit - additional records on back)

(Field Tech Initials)
Date: 10/30/09 (99)
Time: 10:46 AM ()
PUMP FAULT (Yes / No): NO
Timer Time (min): 645
Flow Rate (L/min): 3000 mL/min
Cumulative Sample Volume (L): 1939
Cumulative Sample Time (min): 645
Atmospheric pressure (mm Hg): 27.61 ins
Temperature inside station unit (°F): 52.1°
Battery voltage reading (volts): 12.78

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

SIGNATURE:

DATE:

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA SHEET (ESDS)

ADDITIONAL DAILY CHECK RECORDS

TA-0016

Station Location: T-6 (Water Tower)

Sample ID #:

Field Technician: GH

Filter Lot #: 18833-01

Pump Type/Model: SKC AirChek 2000

Pump Number: 36422

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-9-09 (GH)

Time: 7:45 AM ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3000

Cumulative Sample Volume (L): 1405

Cumulative Sample Time (min): 463

Atmospheric pressure (mm Hg): 27.74

Temperature inside station unit (°F): 44.7 PUMP / 34 BOX

Battery voltage reading (volts): 12.93

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-10-09 (GH)

Time: 2:17 PM ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3000

Cumulative Sample Volume (L): 6893

Cumulative Sample Time (min): 2297

Atmospheric pressure (mm Hg): 27.78

Temperature inside station unit (°F): 59.7 PUMP / 47 BOX

Battery voltage reading (volts): 12.76

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-11-09 (GH)

Time: 11:44 AM ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3000

Cumulative Sample Volume (L): 0 FLO

Cumulative Sample Time (min): 3584

Atmospheric pressure (mm Hg): 27.54

Temperature inside station unit (°F): 46.9 PUMP / 36 BOX

Battery voltage reading (volts): 12.62

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-12-09 (GH)

Time: 1:42 PM ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3000

Cumulative Sample Volume (L): 0 FLO

Cumulative Sample Time (min): 5143

Atmospheric pressure (mm Hg): 27.49

Temperature inside station unit (°F): 50.9 PUMP / 40 BOX

Battery voltage reading (volts): 12.52

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-13-09 (GH)

Time: 12:58 PM ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3000

Cumulative Sample Volume (L): 0 FLO

Cumulative Sample Time (min): 6538

Atmospheric pressure (mm Hg): 27.32

Temperature inside station unit (°F): 45.6 PUMP / 34 BOX

Battery voltage reading (volts): 12.46

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA SHEET (FSDS)

TA-0016

Station Location: T-6 (Water Tower)
Field Technician: QA
Pump Type/Model: SKC AirChek 2000
Pump Number: 36422

Sample ID #: _____
Filter Lot #: 18833-01
Sample Type: TEM
Sample Parent ID #: TA-0016

START DAY

Date: 11-09-09
Time: 12:00 AM

Timer Beginning Time: 12:00 AM
Beginning Flow Rate (L/min): 3000
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

STOP DAY

Date: 11-14-09
Time: 2:10 PM

Timer Ending Time: 7200 12:00 AM
Ending Flow Rate (L/min): 3000
Total Sample Volume (L): 0 FLU
Total Sample Time (min): 7200
Atmospheric pressure (mm Hg): 27.80
Temperature inside station unit (°F): 39.6 Pump / 30 Box

DAILY CHECK (complete separate DAILY CHECK for each station visit - additional records on back)

(Field Tech Initials) _____ PUMP FAULT (Yes / No): _____
Date: _____ () Flow Rate (L/min): _____
Time: _____ () Cumulative Sample Volume (L): _____
Cumulative Sample Time (min): _____
Atmospheric pressure (mm Hg): _____
Temperature inside station unit (°F): _____
Battery voltage reading (volts): _____

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

SIGNATURE: _____

DATE: _____

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA &
ADDITIONAL DAILY CHECK RECORDS

TA-0025

Station Location: T-6 (Water Tower)
 Field Technician: JA
 Pump Type/Model: SKC AirChek 2000
 Pump Number: 36422

Sample ID #: _____
 Filter Lot #: 18833-01

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 11-19-09 (JA)
 Time: 8:51 AM ()

PUMP FAULT (Yes / No): NO
 Flow Rate (L/min): 300
 Cumulative Sample Volume (L): 1592
 Cumulative Sample Time (min): 530
 Atmospheric pressure (mm Hg): 27.62
 Temperature inside station unit (°F): 43.0 PUMP / 32 Box
 Battery voltage reading (volts): 12.92

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 11-20-09 (JA)
 Time: 8:36 AM ()

PUMP FAULT (Yes / No): NO
 Flow Rate (L/min): 3000
 Cumulative Sample Volume (L): 5868
 Cumulative Sample Time (min): 1955
 Atmospheric pressure (mm Hg): 27.32
 Temperature inside station unit (°F): 44.7 PUMP / 34 Box
 Battery voltage reading (volts): 12.76

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 11-21-09 (JA)
 Time: 4:10 PM ()

PUMP FAULT (Yes / No): NO
 Flow Rate (L/min): 3000
 Cumulative Sample Volume (L): 0 FLO
 Cumulative Sample Time (min): 3851
 Atmospheric pressure (mm Hg): 27.59
 Temperature inside station unit (°F): 50.5 PUMP / 39 Box
 Battery voltage reading (volts): 12.61

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 11-22-09 (JA)
 Time: 1:10 PM ()

PUMP FAULT (Yes / No): NO
 Flow Rate (L/min): 3000
 Cumulative Sample Volume (L): 0 FLO
 Cumulative Sample Time (min): 5111
 Atmospheric pressure (mm Hg): 27.32
 Temperature inside station unit (°F): 46.4 PUMP / 35 Box
 Battery voltage reading (volts): 12.54

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 11-23-09 (JA)
 Time: 4:59 PM ()

PUMP FAULT (Yes / No): NO
 Flow Rate (L/min): 3000
 Cumulative Sample Volume (L): 0 FLO
 Cumulative Sample Time (min): 6779
 Atmospheric pressure (mm Hg): 27.98
 Temperature inside station unit (°F): 50.4 PUMP / 39 Box
 Battery voltage reading (volts): 12.44

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA S

TA-0025

Station Location: T-6 (Water Tower)

Sample ID #:

Field Technician: ggFilter Lot #: 18833- 01Pump Type/Model: SKC AirChek 2000Sample Type: TEMPump Number: 36422Sample Parent ID #: —

PUMP SETUP DAY

Date: 11-18-09Timer Beginning Date/Time: 11-19-09/12:00 AMTime: 3:02 PMBeginning Flow Rate (L/min): 3000Pump Programmed (Yes / No): YesBios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 11-24-09Timer Ending Date/Time: 11-24-12:00 AMTime: 9:42 AMEnding Flow Rate (L/min): 3000Total Sample Volume (L): 0 FLOTotal Sample Time (min): 72.00Atmospheric pressure (mm Hg): 27.93Temperature inside station unit (°F): 42 P4mp / 34 Box

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

SIGNATURE:

DATE:

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA SHEET

TA-0034

Station Location: T-6 (Water Tower)
Field Technician: AP
Pump Type/Model: SKC AirChek 2000
Pump Number: 36422

Sample ID #: _____
Filter Lot #: 18833-01
Sample Type: TEM
Sample Parent ID #:

PUMP SETUP DAY

Date: 11-28-09
Time: 1:58 PM

Timer Beginning Date/Time: 11-29-09/12:00 AM
Beginning Flow Rate (L/min): 3000
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 12-4-09
Time: 8:10 AM

Timer Ending Date/Time: 12-4-09 12:00 AM
Ending Flow Rate (L/min): 2000
Total Sample Volume (L): 0960
Total Sample Time (min): 7200
Atmospheric pressure (mm Hg): 27.75
Temperature inside station unit (°F): 25.4 mp / 16 Box

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

SIGNATURE: _____

DATE: _____

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA
ADDITIONAL DAILY CHECK RECORDS

TA-0034

Station Location: T-6 (Water Tower)

Sample ID #

Field Technician: JAFilter Lot #: 18833-01Pump Type/Model: SAC AirChek 2000Pump Number: 36422

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 11-29-09 (JA)Flow Rate (L/min): 2000Time: 6:58 pm ()Cumulative Sample Volume (L): 2276Cumulative Sample Time (min): 1138Atmospheric pressure (mm Hg): 27.81Temperature inside station unit (°F): 49.9 Pump / 41 BoxBattery voltage reading (volts): 12.90

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 11-30-09 (JA)Flow Rate (L/min): 2000Time: 4:22 pm ()Cumulative Sample Volume (L): 4844Cumulative Sample Time (min): 2422Atmospheric pressure (mm Hg): 27.48Temperature inside station unit (°F): 53.2 Pump / 44 BoxBattery voltage reading (volts): 12.80

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 12-1-09 (JA)Flow Rate (L/min): 2000Time: 3:45 pm ()Cumulative Sample Volume (L): 7651Cumulative Sample Time (min): 3825Atmospheric pressure (mm Hg): 27.76Temperature inside station unit (°F): 46.6 Pump / 37 BoxBattery voltage reading (volts): 12.71

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 12-2-09 (JA)Flow Rate (L/min): 2000Time: 8:07 AM ()Cumulative Sample Volume (L): 9616Cumulative Sample Time (min): 4807Atmospheric pressure (mm Hg): 27.79Temperature inside station unit (°F): 33.9 Pump / 23 BoxBattery voltage reading (volts): 12.61

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 12-3-09 (JA)Flow Rate (L/min): 2000Time: 7:21 pm ()Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 6921Atmospheric pressure (mm Hg): 27.79Temperature inside station unit (°F): 34.0 Pump / 23 BoxBattery voltage reading (volts): 12.53

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA

TA-0043

Station Location: T-6 (Water Tower)
Field Technician: [Signature]
Pump Type/Model: SKC AirChek 2000
Pump Number: 36422

Sample ID #: _____
Filter Lot #: 18833-01
Sample Type: TEM
Sample Parent ID #: -

PUMP SETUP DAY

Date: 12-9-09 Timer Beginning Date/Time: 12-9-09 12:00pm
Time: 1:36 pm Beginning Flow Rate (L/min): 3000
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 12-14-09 Timer Ending Date/Time: 12-14 12:00pm
Time: 4:44 pm Ending Flow Rate (L/min): 3000
Total Sample Volume (L): 8420
Total Sample Time (min): 7200
Atmospheric pressure (mm Hg): 27.73
Temperature inside station unit (°F): 39.6 pump / 32 Box

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

Replaced Bulb Battery 12-12-09SIGNATURE: [Signature]DATE: 12-12-09

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA
ADDITIONAL DAILY CHECK RECORDS

TA-0043

Station Location: T-6 (Water Tower)

Sample ID #

Field Technician:

Filter Lot #: 18833-

Pump Type/Model: SKC AirChek 2000

Pump Number: 36422

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 12/9/09 (ms.) JJ
Time: 1703 (ms.) JJPUMP FAULT (Yes / No): NOFlow Rate (L/min): 3,000Cumulative Sample Volume (L): 3,076Cumulative Sample Time (min): 1,025Atmospheric pressure (mm Hg): 27.65Temperature inside station unit (°F): 35.6 / 22 BoxBattery voltage reading (volts): 12.81 / 12.32

HEPTEN

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 12-10-09 (gg)
Time: 6:13 AM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3,000Cumulative Sample Volume (L): 1,813Cumulative Sample Time (min): 5441Atmospheric pressure (mm Hg): 27.59Temperature inside station unit (°F): 35.0 PUMP 21 BoxBattery voltage reading (volts): 12.73 PUMP
12.18 bulb

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 12-11-09 (gg)
Time: 7:57 PM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3000Cumulative Sample Volume (L): 0FL0Cumulative Sample Time (min): 4077Atmospheric pressure (mm Hg): 27.28Temperature inside station unit (°F): 37.5 PUMP/25 BoxBattery voltage reading (volts): 12.56
bulb 11.46

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 12-12-09 (gg)
Time: 10:47 AM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3000Cumulative Sample Volume (L): 0FL0Cumulative Sample Time (min): 4967Atmospheric pressure (mm Hg): 27.29Temperature inside station unit (°F): 37.7 PUMP/24 BoxBattery voltage reading (volts): 12.52
new battery bulb 13.09

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 12-13-09 (gg)
Time: 3:26 PM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3000Cumulative Sample Volume (L): 0FL0Cumulative Sample Time (min): 6686Atmospheric pressure (mm Hg): 27.29Temperature inside station unit (°F): 45.4 PUMP/23 BoxBattery voltage reading (volts): 12.50
12.15

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA
 ADDITIONAL DAILY CHECK RECORDS

TA-0054

Station Location: T-6 (Water Tower)
 Field Technician: GG
 Pump Type/Model: SKC AirChek 2000
 Pump Number: 36422

Sample ID #: _____
 Filter Lot #: 18833-02

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 12-19-09 (GG)
 Time: 3:19 PM ()

PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3000Cumulative Sample Volume (L): 2758Cumulative Sample Time (min): 919Atmospheric pressure (mm Hg): 27.78Temperature inside station unit (°F): 59.484 MP / 40.8 °XBattery voltage reading (volts): 12.45heater - 12.81

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 12-20-09 (GG)
 Time: 11:24 AM ()

PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3000Cumulative Sample Volume (L): 6374Cumulative Sample Time (min): 2124Atmospheric pressure (mm Hg): 27.68Temperature inside station unit (°F): 58.184 MP / 39.8 °XBattery voltage reading (volts): 12.41heater - 12.52

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 12-21-09 (GG)
 Time: 5:02 PM ()

PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3000Cumulative Sample Volume (L): 0FL0Cumulative Sample Time (min): 3902Atmospheric pressure (mm Hg): 27.40Temperature inside station unit (°F): 60.84 MP / 42.8 °XBattery voltage reading (volts): 12.33heater - 12.20

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 12-22-09 (GG)
 Time: 5:59 PM ()

PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3000Cumulative Sample Volume (L): 0FL0Cumulative Sample Time (min): 5399Atmospheric pressure (mm Hg): 27.71Temperature inside station unit (°F): 57.34 MP / 39.8 °XBattery voltage reading (volts): 12.26heater - 11.96

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 12-23-09 (GG)
 Time: 6:43 PM ()

PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3000Cumulative Sample Volume (L): 0FL0Cumulative Sample Time (min): 6883Atmospheric pressure (mm Hg): 28.00Temperature inside station unit (°F): 49.04 MP / 32.8 °XBattery voltage reading (volts): 12.19heater - 11.71

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA

TA-0054

Station Location: T-6 (Water Tower)

Sample ID #:

Field Technician: JAFilter Lot #: 18833-02Pump Type/Model: SKC AirChek 2000Sample Type: TEMPump Number: 36422Sample Parent ID #: TA-0054

PUMP SETUP DAY

Date: 12-18-09Time: 3:49 PMTimer Beginning Date/Time: 12-19-09 12:00 AMBeginning Flow Rate (L/min): 3000Pump Programmed (Yes / No): YesBios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 12-24-09Time: 2:41 PMTimer Ending Date/Time: 12-24-09 12:00 AMEnding Flow Rate (L/min): 3000Total Sample Volume (L): 0 FL0Total Sample Time (min): 7200Atmospheric pressure (mm Hg): 28.12Temperature inside station unit (°F): 43.4 pump / 33.8 °C

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

SIGNATURE:

DATE:

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA S

TA-0063

Station Location: T-6 (Water Tower)
Field Technician: [Signature]
Pump Type/Model: SKC AirChek 2000
Pump Number: 36422

Sample ID #: _____
Filter Lot #: 18833-02
Sample Type: TEM
Sample Parent ID #: TA-0063

PUMP SETUP DAY

Date: 12-28-09
Time: 4:32 PM

Timer Beginning Date/Time: 12-29-09 12:00 AM
Beginning Flow Rate (L/min): 300.83
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 1-3-10
Time: 2:10 PM

Timer Ending Date/Time: 1-2-10 12:00 AM
Ending Flow Rate (L/min): OFF 3
Total Sample Volume (L): 720 OF 40
Total Sample Time (min): 7200
Atmospheric pressure (mm Hg): 27.88 INS
Temperature inside station unit (°F): 44.7 Pump / 37.8 Box

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

Heater converter light is red at 10.73 volts
did not heat at entire 5 days. This time
period.

Atmospheric pressure reading changed to
indicate what is displayed on the pump

SIGNATURE: [Signature]DATE: 1-2-10

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA
ADDITIONAL DAILY CHECK RECORDS

TA-0063

Station Location: T-6 (Water Tower)		Sample ID #
Field Technician: <u>JD</u>		Filter Lot #: <u>18833-02</u>
Pump Type/Model: <u>SKC AirChek 2000</u>		
Pump Number: <u>36422</u>		

DAILY CHECK (For each station visit)		
(Field Tech Initials)		PUMP FAULT (Yes / No): <u>NO</u>
Date: <u>12-29-09</u> (<u>JD</u>)		Flow Rate (L/min): <u>3.00</u> <u>3</u>
Time: <u>6:30 PM</u> ()		Cumulative Sample Volume (L): <u>3330</u>
		Cumulative Sample Time (min): <u>1110</u>
		Atmospheric pressure (mm Hg): <u>27.68</u> ins
		Temperature inside station unit (°F): <u>47.3 Pump/29.80x</u>
		Battery voltage reading (volts): <u>12.75</u>
		<u>heater - 12.52</u>

DAILY CHECK (For each station visit)		
(Field Tech Initials)		PUMP FAULT (Yes / No): <u>NO</u>
Date: <u>12-30-09</u> (<u>JD</u>)		Flow Rate (L/min): <u>3.00</u> <u>3</u>
Time: <u>6:22 PM</u> ()		Cumulative Sample Volume (L): <u>76.25</u>
		Cumulative Sample Time (min): <u>25.41</u>
		Atmospheric pressure (mm Hg): <u>27.75</u> ins
		Temperature inside station unit (°F): <u>49.6 Pump/30.80x</u>
		Battery voltage reading (volts): <u>12.58</u>
		<u>heater - 12.10</u>

DAILY CHECK (For each station visit)		
(Field Tech Initials)		PUMP FAULT (Yes / No): <u>NO</u>
Date: <u>12-31-09</u> (<u>JD</u>)		Flow Rate (L/min): <u>3.00</u> <u>3</u>
Time: <u>9:29 AM</u> ()		Cumulative Sample Volume (L): <u>0 FL0</u>
		Cumulative Sample Time (min): <u>3449</u>
		Atmospheric pressure (mm Hg): <u>27.78</u> ins
		Temperature inside station unit (°F): <u>50.1 Pump/32.80x</u>
		Battery voltage reading (volts): <u>12.88</u> <u>12.49</u>
		<u>heater - 11.88</u>

DAILY CHECK (For each station visit)		
(Field Tech Initials)		PUMP FAULT (Yes / No): <u>NO</u>
Date: <u>1-1-10</u> (<u>JD</u>)		Flow Rate (L/min): <u>3</u>
Time: <u>11:37 AM</u> ()		Cumulative Sample Volume (L): <u>0 FL0</u>
		Cumulative Sample Time (min): <u>5017</u>
		Atmospheric pressure (mm Hg): <u>27.67</u> ins
		Temperature inside station unit (°F): <u>54.3 Pump/36.80x</u>
		Battery voltage reading (volts): <u>12.36</u>
		<u>heater - 11.52</u>

DAILY CHECK (For each station visit)		
(Field Tech Initials)		PUMP FAULT (Yes / No): <u>NO</u>
Date: <u>1-2-10</u> (<u>JD</u>)		Flow Rate (L/min): <u>3</u>
Time: <u>10:35 AM</u> ()		Cumulative Sample Volume (L): <u>0 FL0</u>
		Cumulative Sample Time (min): <u>6395</u>
		Atmospheric pressure (mm Hg): <u>27.76</u> INS
		Temperature inside station unit (°F): <u>51.6 Pump/39.80x</u>
		Battery voltage reading (volts): <u>12.27</u>
		<u>heater - 10.73</u>

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA

TA-0072

Station Location: T-6 (Water Tower)
Field Technician: AG
Pump Type/Model: SKC AirChek 2000
Pump Number: 36422

Sample ID # _____
Filter Lot #: 18833-02
Sample Type: TEM
Sample Parent ID #: TA-0072

PUMP SETUP DAY

Date: 1-7-10
Time: 3:31 PM

Timer Beginning Date/Time: 1-8-10 12:00 AM
Beginning Flow Rate (L/min): 3
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 1/13/10
Time: 1005 AM

Timer Ending Date/Time: 1/13/10 12:00 AM
Ending Flow Rate (L/min): 3
Total Sample Volume (L): 0FL0
Total Sample Time (min): 7200
Atmospheric Pressure (INS): 27.55
Temperature inside station unit (°F): 46.4 pump, 36 Box

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

SIGNATURE: Jim JordanDATE: 1-13-10

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA

ADDITIONAL DAILY CHECK RECORDS

TA-0072

Station Location: T-6 (Water Tower)

Sample ID #

Field Technician: QAFilter Lot #: 18833-02

Pump Type/Model: SKC AirChek 2000

Pump Number: 36422

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-8-10 (QA)Time: 12:37 PM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3Cumulative Sample Volume (L): 2272Cumulative Sample Time (min): 751Atmospheric Pressure (INS) 28.06Temperature inside station unit (°F): 38.7 Pump/26 BoxBattery voltage reading (volts): 12.91heater - 12.77

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-9-10 (QA)Time: 10:30 AM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3Cumulative Sample Volume (L): 6208Cumulative Sample Time (min): 2049Atmospheric Pressure (INS) 28.00Temperature inside station unit (°F): 39.4 Pump/24 BoxBattery voltage reading (volts): 12.77heater - 12.38

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-10-10 (QA)Time: 11:35 AM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 3576Atmospheric Pressure (INS) 28.02Temperature inside station unit (°F): 48.2 Pump/33 BoxBattery voltage reading (volts): 12.61heater - 11.94

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-11-10 (QA)Time: 7:32 AM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 4772Atmospheric Pressure (INS) 27.81Temperature inside station unit (°F): 48.8 Pump/34 BoxBattery voltage reading (volts): 12.50heater - 11.73

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1/12/10 (MAS)Time: 11:22 AM (MAS)PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 6443Atmospheric Pressure (INS) 27.53Temperature inside station unit (°F): 52.2 Pump, 39 BoxBattery voltage reading (volts): 12.40HEATER 11.31

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA SHEET

TA-0083

Station Location: T-6 (Water Tower)
Field Technician: AA
Pump Type/Model: SKC AirChek 2000
Pump Number: 36422

Sample ID #: _____
Filter Lot #: 18833-02
Sample Type: TEM
Sample Parent ID #: TA-0083

PUMP SETUP DAY

Date: 1-17-10
Time: 3:00 PM

Timer Beginning Date/Time: 1-18-10 12:00 AM
Beginning Flow Rate (L/min): 3
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 1-23-10
Time: 8:57 AM

Timer Ending Date/Time: 1-23-10 12:00 AM
Ending Flow Rate (L/min): 3
Total Sample Volume (L): 0 FLO
Total Sample Time (min): 7200
Atmospheric Pressure (INS): 27.27
Temperature inside station unit (°F): 40.5 Pump / 32 Box

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

SIGNATURE: [Signature]DATE: 1-23-10

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA

ADDITIONAL DAILY CHECK RECORDS

TA-0083

Station Location: T-6 (Water Tower)

Sample ID #

Field Technician: JD

Filter Lot #: 18833-02

Pump Type/Model: SKC AirChek 2000

Pump Number: 36422

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-18-10 (JD)

Time: 10:46 AM ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3

Cumulative Sample Volume (L): 1938

Cumulative Sample Time (min): 646

Atmospheric Pressure (INS): 27.32

Temperature inside station unit (°F): 56.7 PUMP/41 BOX

Battery voltage reading (volts): 12.90

heater - 12.79

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-19-10 (JD)

Time: 10:16 AM ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3

Cumulative Sample Volume (L): 6168

Cumulative Sample Time (min): 2056

Atmospheric Pressure (INS): 27.17

Temperature inside station unit (°F): 55.3 PUMP/39 BOX

Battery voltage reading (volts): 12.67

heater - 12.24

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-20-10 (JD)

Time: 12:40 PM ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3

Cumulative Sample Volume (L): 0 FLO

Cumulative Sample Time (min): 3640

Atmospheric Pressure (INS): 27.11

Temperature inside station unit (°F): 56.0 PUMP/40 BOX

Battery voltage reading (volts): 12.52

heater - 11.86

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-21-10 (JD)

Time: 9:38 AM ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3

Cumulative Sample Volume (L): 0 FLO

Cumulative Sample Time (min): 4898

Atmospheric Pressure (INS): 27.02

Temperature inside station unit (°F): 50.3 PUMP/34 BOX

Battery voltage reading (volts): 12.44

heater - 11.64

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-22-10 (JD)

Time: 12:02 PM ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3

Cumulative Sample Volume (L): 0 FLO

Cumulative Sample Time (min): 6482

Atmospheric Pressure (INS): 26.93

Temperature inside station unit (°F): 48.6 PUMP/34 BOX

Battery voltage reading (volts): 12.35

heater - 11.14

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA SHEET (FSDS)

TA-0005

Station Location: T- 7
Field Technician: MAS, JJ
Pump Type/Model: SKC AirChek 2000
Pump Number: 36428

Sample ID #: 18833-01
Filter ID #: TEM
Sample Type: TEM
Sample Parent ID #: TA-0005

START DAY

Date: 10/30/09 Timer Beginning Time: 12:00 AM
Time: 12:00 am Beginning Flow Rate (L/min): 3 LPM
Atmospheric pressure (mm Hg):
Temperature inside station unit (°F):

STOP DAY

Date: 11/4/09 Timer Ending Time: 12:00 am
Time: 10:30 AM Ending Flow Rate (L/min): 3000
Total Sample Volume (L): 0FL0
Total Sample Time (min): 7200
Atmospheric pressure (mm Hg): 27.92
Temperature inside station unit (°F): 54.8°

DAILY CHECK (complete separate DAILY CHECK for each station visit - additional records on back)

(Field Tech Initials) PUMP FAULT (Yes / No): NO
Date: 10/30/09 (JJ) Timer Time (min): 637
Time: 10:38 AM () Flow Rate (L/min): 3000 mL/min
Cumulative Sample Volume (L): 1914
Cumulative Sample Time (min): 637
Atmospheric pressure (mm Hg): 27.41 ins
Temperature inside station unit (°F): 50°
Battery voltage reading (volts): 12.74

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

Added store Thermometer inside box 10/31/09

SIGNATURE:

DATE:

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA SHEET (FSDS)

ADDITIONAL DAILY CHECK RECORDS

TA-0005

Station Location: T- 7
 Field Technician: 99
 Pump Type/Model: SKC AirChek 2000
 Pump Number: 36428

Sample ID # _____
 Filter ID #: 18833-01

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 10-31-09 (99)
 Time: 9:28 AM ()

PUMP FAULT (Yes / No): NO
 Timer Time (min): 2007
 Flow Rate (L/min): 3000
 Cumulative Sample Volume (L): 6023
 Cumulative Sample Time (min): 2007
 Atmospheric pressure (mm Hg): 27.29
 Temperature inside station unit (°F): 59.9
 Battery voltage reading (volts): 12.67

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 11-01-09 (99)
 Time: 2:15 PM ()

PUMP FAULT (Yes / No): NO
 Timer Time (min): 3795
 Flow Rate (L/min): 3000
 Cumulative Sample Volume (L): 0 FLO
 Cumulative Sample Time (min): 3795
 Atmospheric pressure (mm Hg): 27.83
 Temperature inside station unit (°F): 65.5° pump / 61° box
 Battery voltage reading (volts): 12.63

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 11-2-09 (99)
 Time: 8:42 AM ()

PUMP FAULT (Yes / No): NO
 Timer Time (min): 4902
 Flow Rate (L/min): 3000
 Cumulative Sample Volume (L): 0 FLO
 Cumulative Sample Time (min): 4902
 Atmospheric pressure (mm Hg): 27.84
 Temperature inside station unit (°F): 40.3° pump / 32° box
 Battery voltage reading (volts): 12.53

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 11-3-09 (99)
 Time: 8:58 AM ()

PUMP FAULT (Yes / No): NO
 Timer Time (min): 6359
 Flow Rate (L/min): 3000
 Cumulative Sample Volume (L): 0 FLO
 Cumulative Sample Time (min): 6359
 Atmospheric pressure (mm Hg): 27.84
 Temperature inside station unit (°F): 41.2° pump / 35° box
 Battery voltage reading (volts): 12.48

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 11/4/09 (ms)
 Time: 10:30 AM (ms)

PUMP FAULT (Yes / No): _____
 Timer Time (min): _____
 Flow Rate (L/min): _____
 Cumulative Sample Volume (L): _____
 Cumulative Sample Time (min): _____
 Atmospheric pressure (mm Hg): _____
 Temperature inside station unit (°F): _____
 Battery voltage reading (volts): 12.57

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA SHEET (ESDS)

TA-0017

Station Location: T-7 (Jay's Rental)
Field Technician: GP
Pump Type/Model: SKC AirChek 2000
Pump Number: 36428

Sample ID #: _____
Filter Lot #: 18833- 01
Sample Type: TEM
Sample Parent ID #: TA-0017

START DAY

Date: 11-9-09
Time: 12:00 AM
Timer Beginning Time: 12:00 AM
Beginning Flow Rate (L/min): 3000
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

STOP DAY

Date: 11-14-09
Time: 2:02 PM
Timer Ending Time: 7200 12:00 AM
Ending Flow Rate (L/min): 3000
Total Sample Volume (L): 0.40
Total Sample Time (min): 7200
Atmospheric pressure (mm Hg): 27.88
Temperature inside station unit (°F): 50.9 Pump / 40.3

DAILY CHECK (complete separate DAILY CHECK for each station visit - additional records on back)

(Field Tech Initials) _____ PUMP FAULT (Yes / No): _____
Date: _____ () Flow Rate (L/min): _____
Time: _____ () Cumulative Sample Volume (L): _____
Cumulative Sample Time (min): _____
Atmospheric pressure (mm Hg): _____
Temperature inside station unit (°F): _____
Battery voltage reading (volts): _____

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

SIGNATURE: _____

DATE: _____

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA SHEET (ESDS)

ADDITIONAL DAILY CHECK RECORDS

TA-0017

Station Location: T-7 (Jay's Rental)

Sample ID #:

Field Technician: JP

Filter Lot #: 18833-01

Pump Type/Model: SKC AirChek 2000

Pump Number: 36428

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-9-09 (JP)

Time: 7:54 am ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3000

Cumulative Sample Volume (L): 1422

Cumulative Sample Time (min): 474

Atmospheric pressure (mm Hg): 27.66

Temperature inside station unit (°F): 55 PUMP / 45 box

Battery voltage reading (volts): 12.82 PUMP

12.54 heater

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-10-09 (JP)

Time: 2:10 pm ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3000

Cumulative Sample Volume (L): 6871

Cumulative Sample Time (min): 2289

Atmospheric pressure (mm Hg): 27.61

Temperature inside station unit (°F): 64.1 PUMP / 55 box

Battery voltage reading (volts): 12.70 PUMP

12.37 Heater

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-11-09 (JP)

Time: 11:50 am ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3000

Cumulative Sample Volume (L): 0 FLO

Cumulative Sample Time (min): 3590

Atmospheric pressure (mm Hg): 27.36

Temperature inside station unit (°F): 56.0 PUMP / 45 Box

Battery voltage reading (volts): 12.62 PUMP

12.17 Heater

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-12-09 (JP)

Time: 1:29 pm ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3000

Cumulative Sample Volume (L): 0 FLO

Cumulative Sample Time (min): 5130

Atmospheric pressure (mm Hg): 27.33

Temperature inside station unit (°F): 60.2 PUMP / 49 Box

Battery voltage reading (volts): 12.56 PUMP

11.97 Heater

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 11-13-09 (JP)

Time: 12:51 pm ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3000

Cumulative Sample Volume (L): 0 FLO

Cumulative Sample Time (min): 6531

Atmospheric pressure (mm Hg): 27.17

Temperature inside station unit (°F): 54.6 PUMP / 44 Box

Battery voltage reading (volts): 12.50 PUMP

11.76 Heater

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA S
ADDITIONAL DAILY CHECK RECORDS

TA-0026

Station Location: T-7 (Jay's Rental)

Sample ID #:

Field Technician: JDFilter Lot #: 18833- 01Pump Type/Model: SKC AirChek 2000Pump Number: 36428

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 11-19-09 (JD)Flow Rate (L/min): 3000Time: 8:56 AM ()Cumulative Sample Volume (L): 16.09Cumulative Sample Time (min): 536Atmospheric pressure (mm Hg): 27.46Temperature inside station unit (°F): 42.0 PUMP / 34 BoxBattery voltage reading (volts): 12.87

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 11-20-09 (JD)Flow Rate (L/min): 3000Time: 8:42 AM ()Cumulative Sample Volume (L): 5886Cumulative Sample Time (min): 1961Atmospheric pressure (mm Hg): 27.14Temperature inside station unit (°F): 44.3 PUMP / 39 BoxBattery voltage reading (volts): 12.70

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 11-21-09 (JD)Flow Rate (L/min): 3000Time: 4:16 PM ()Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 3857Atmospheric pressure (mm Hg): 27.40Temperature inside station unit (°F): 52.1 PUMP / 46 BoxBattery voltage reading (volts): 12.40

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 11-22-09 (JD)Flow Rate (L/min): 3000Time: 1:04 PM ()Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 5105Atmospheric pressure (mm Hg): 27.12Temperature inside station unit (°F): 45.1 PUMP / 40 BoxBattery voltage reading (volts): 12.55

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 11-23-09 (JD)Flow Rate (L/min): 3000Time: 4:53 PM ()Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 6773Atmospheric pressure (mm Hg): 27.81Temperature inside station unit (°F): 49.6 PUMP / 44 BoxBattery voltage reading (volts): 12.46

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA S

TA-0026

Station Location: T-7 (Jay's Rental)
Field Technician: gg
Pump Type/Model: SKC AirChek 2000
Pump Number: 36428

Sample ID #: _____
Filter Lot #: 18833- 01
Sample Type: TEM
Sample Parent ID #: _____

PUMP SETUP DAY

Date: 11-18-09
Time: 3:04 PM

Timer Beginning Date/Time: 11-19-09 / 12:00 AM
Beginning Flow Rate (L/min): 3000
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 11-24-09
Time: 9:33 AM

Timer Ending Date/Time: 11-24 - 12:00 AM
Ending Flow Rate (L/min): 3000
Total Sample Volume (L): 0.820
Total Sample Time (min): 7200
Atmospheric pressure (mm Hg): 27.90
Temperature inside station unit (°F): 38 Pump / 40 Bay

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

SIGNATURE: _____

DATE: _____

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA

TA-0035

Station Location: T-7 (Jay's Rental)
Field Technician: [Signature]
Pump Type/Model: SKC AirChek 2000
Pump Number: 36428

Sample ID #: _____
Filter Lot #: 18833-01
Sample Type: TEM
Sample Parent ID #: —

PUMP SETUP DAY

Date: 11-28-09
Time: 1:57 PM

Timer Beginning Date/Time: 11-29-09 / 12:00 AM
Beginning Flow Rate (L/min): 2000
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 12-4-09
Time: 7:59 AM

Timer Ending Date/Time: 12-4 12:00 AM
Ending Flow Rate (L/min): 2000
Total Sample Volume (L): 0.620
Total Sample Time (min): 7200
Atmospheric pressure (mm Hg): 27.76
Temperature inside station unit (°F): 26 pump / 20 box

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

SIGNATURE:

DATE:

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA

ADDITIONAL DAILY CHECK RECORDS

TA-0035

Station Location: T-7 (Jay's Rental)

Sample ID

Field Technician: JAFilter Lot #: 18833-01Pump Type/Model: SKC AirChek 2000Pump Number: 36428

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 11-29-09 (JA)Flow Rate (L/min): 2000Time: 6:51 PM ()Cumulative Sample Volume (L): 2262Cumulative Sample Time (min): 1131Atmospheric pressure (mm Hg): 27.65Temperature inside station unit (°F): 50.2 pump/47.8 oxBattery voltage reading (volts): 12.83

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 11-30-09 (JA)Flow Rate (L/min): 2000Time: 4:17 PM ()Cumulative Sample Volume (L): 4733Cumulative Sample Time (min): 2416Atmospheric pressure (mm Hg): 27.33Temperature inside station unit (°F): 53.8 pump/51.8 oxBattery voltage reading (volts): 12.74

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 12-1-09 (JA)Flow Rate (L/min): 2000Time: 3:51 PM ()Cumulative Sample Volume (L): 7663Cumulative Sample Time (min): 3831Atmospheric pressure (mm Hg): 27.64Temperature inside station unit (°F): 50.2 pump/47.8 oxBattery voltage reading (volts): 12.66

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 12-2-09 (JA)Flow Rate (L/min): 2000Time: 7:17 PM ()Cumulative Sample Volume (L): 0540Cumulative Sample Time (min): 5477Atmospheric pressure (mm Hg): 27.76Temperature inside station unit (°F): 35.2 pump/28.0 oxBattery voltage reading (volts): 12.67

DAILY CHECK (For each station visit)

(Field Tech Initials)

PUMP FAULT (Yes / No): NODate: 12-3-09 (JA)Flow Rate (L/min): 2000Time: 6:29 PM ()Cumulative Sample Volume (L): 0540Cumulative Sample Time (min): 6868Atmospheric pressure (mm Hg): 27.72Temperature inside station unit (°F): 34.9 pump/29.0 oxBattery voltage reading (volts): 12.51

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA SHEET

TA-0044

Station Location: T-7 (Jay's Rental)
Field Technician: CP
Pump Type/Model: SKC AirChek 2000
Pump Number: 36428

Sample ID #: _____
Filter Lot #: 18833- 0)
Sample Type: TEM
Sample Parent ID #: —

PUMP SETUP DAY

Date: 12-8-09
Time: 1:37 pm

Timer Beginning Date/Time: 12-9-09 12:00 AM
Beginning Flow Rate (L/min): 3000
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 12-14-09
Time: 4:33 pm

Timer Ending Date/Time: 12-14 12:00 AM
Ending Flow Rate (L/min): 3000
Total Sample Volume (L): 0.10
Total Sample Time (min): 7200
Atmospheric pressure (mm Hg): 27.73
Temperature inside station unit (°F): 40.5 Pump / 28 Box

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

SIGNATURE: _____

DATE: _____

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA
ADDITIONAL DAILY CHECK RECORDS

TA-0044

Station Location: T-7 (Jay's Rental)

Sample ID #

Field Technician: JS

Filter Lot # 18833- 01

Pump Type/Model: SKC AirChek 2000

Pump Number: 36428

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 12/10/09 (ms,) JSTime: 1710 (ms,) JSPUMP FAULT (Yes / No): NOFlow Rate (L/min): 3,000Cumulative Sample Volume (L): 3,095Cumulative Sample Time (min): 1,031Atmospheric pressure (mm Hg): 27.64Temperature inside station unit (°F): 35.6 / 22 BOXBattery voltage reading (volts): 12.80 / 12.42 HEATER

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 12-10-09 (99)Time: 6:07 AM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3000Cumulative Sample Volume (L): 5423Cumulative Sample Time (min): 1807Atmospheric pressure (mm Hg): 27.56Temperature inside station unit (°F): 35.1 PUMP / 23 BOXBattery voltage reading (volts): 12.74 PUMP12.34 heater

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 12-11-09 (99)Time: 7:51 PM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3000Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 27,199 4071Atmospheric pressure (mm Hg): 27.6719 27.19Temperature inside station unit (°F): 38.9 PUMP / 28 BOXBattery voltage reading (volts): 12.58heater 12.11

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 12-12-09 (99)Time: 10:56 AM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3000Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 4976Atmospheric pressure (mm Hg): 27.18Temperature inside station unit (°F): 39.4 PUMP / 25 BOXBattery voltage reading (volts): 12.53Heater 11.98

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 12-13-09 (99)Time: 3:33 PM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3000Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 6693Atmospheric pressure (mm Hg): 27.14Temperature inside station unit (°F): 45.3 PUMP / 32 BOXBattery voltage reading (volts): 12.4911.76

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA

ADDITIONAL DAILY CHECK RECORDS

TA-0055

Station Location: T-7 (Jay's Rental)
 Field Technician: JD
 Pump Type/Model: SKC AirChek 2000
 Pump Number: 36428

Sample ID #
 Filter Lot #: 18833-02

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 12-19-09 (99)
 Time: 3:12 pm ()

PUMP FAULT (Yes / No): NO
 Flow Rate (L/min): 3000
 Cumulative Sample Volume (L): 2736
 Cumulative Sample Time (min): 912
 Atmospheric pressure (mm Hg): 27.60
 Temperature inside station unit (F): 56.9 Pump / 45.6
 Battery voltage reading (volts): 12.95
Heater - 12.73

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 12-20-09 (99)
 Time: 10:39 am ()
11:31 am

PUMP FAULT (Yes / No): NO
 Flow Rate (L/min): 3000
 Cumulative Sample Volume (L): 6393
 Cumulative Sample Time (min): 2131
 Atmospheric pressure (mm Hg): 27.47
 Temperature inside station unit (F): 55.4 Pump / 44.8
 Battery voltage reading (volts): 12.78
heater - 12.43

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 12-21-09 (99)
 Time: 4:56 pm ()

PUMP FAULT (Yes / No): NO
 Flow Rate (L/min): 3000
 Cumulative Sample Volume (L): 9510
 Cumulative Sample Time (min): 3896
 Atmospheric pressure (mm Hg): 27.18
 Temperature inside station unit (F): 57.5 Pump / 46.8
 Battery voltage reading (volts): 12.65
heater - 12.11

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 12-22-09 (99)
 Time: 5:52 pm ()

PUMP FAULT (Yes / No): NO
 Flow Rate (L/min): 3000
 Cumulative Sample Volume (L): 12510
 Cumulative Sample Time (min): 5392
 Atmospheric pressure (mm Hg): 27.51
 Temperature inside station unit (F): 55.2 Pump / 44.8
 Battery voltage reading (volts): 12.55
heater - 11.88

DAILY CHECK (For each station visit)

(Field Tech Initials)
 Date: 12-23-09 (99)
 Time: 6:30 pm ()

PUMP FAULT (Yes / No): NO
 Flow Rate (L/min): 3000
 Cumulative Sample Volume (L): 15510
 Cumulative Sample Time (min): 6875
 Atmospheric pressure (mm Hg): 27.87
 Temperature inside station unit (F): 49.1 Pump / 37.8
 Battery voltage reading (volts): 12.48
heater - 11.57

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA

TA-0055

Station Location: T-7 (Jay's Rental)
Field Technician: GA
Pump Type/Model: SKC AirChek 2000
Pump Number: 36428

Sample ID # _____
Filter Lot #: 18833-02
Sample Type: TEM
Sample Parent ID #: TA-0055

PUMP SETUP DAY

Date: 12-18-09
Time: 3:50 PM

Timer Beginning Date/Time: 12-19-09 12:00 AM
Beginning Flow Rate (L/min): 3000
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 12-24-09
Time: 2:30 PM

Timer Ending Date/Time: 12-24-09 12:00 AM
Ending Flow Rate (L/min): 3000
Total Sample Volume (L): 0 FLO
Total Sample Time (min): 7200
Atmospheric pressure (mm Hg): 28.03
Temperature inside station unit (°F): 40.7 Pump / 34 Box

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

SIGNATURE: _____

DATE: _____

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA

TA-0064

Station Location: T-7 (Jay's Rental)

Sample ID #:

Field Technician: JP

Filter Lot #: 18833-02

Pump Type/Model: SKC AirChek 2000

Sample Type: TEM

Pump Number: 36428

Sample Parent ID #: TA-0064

PUMP SETUP DAY

Date: 12-28-09

Timer Beginning Date/Time: 12-29-09 12:00 AM

Time: 4:33 PM

Beginning Flow Rate (L/min): 3.093

Pump Programmed (Yes / No): YES

Bios Calibration Within 10 mL (Yes / No): YES

PUMP RETRIEVAL DAY

Date: 1-3-10

Timer Ending Date/Time: 1-2-10 12:00 AM

Time: 2:00 PM

Ending Flow Rate (L/min): 3.0

Total Sample Volume (L): 7200 OFLO

Total Sample Time (min): 7200

Atmospheric pressure (mm Hg): 27.82 INS

Temperature inside station unit (°F): 45.6 Pump/36 Box

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

Atmospheric pressure heading changed
to indicate what is displayed on pump

SIGNATURE:

DATE:

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA
ADDITIONAL DAILY CHECK RECORDS

TA-0064

Station Location: T-7 (Jay's Rental)

Sample ID #

Field Technician: JD

Filter Lot #: 18833-02

Pump Type/Model: SKC AirChek 2000

Pump Number: 36428

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 12-29-09 (JD)

Time: 6:19 PM ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3

Cumulative Sample Volume (L): 3297

Cumulative Sample Time (min): 1098

Atmospheric pressure (mm Hg): 27.44 ins

Temperature inside station unit (F): 43.1 Pump/34 Box

Battery voltage reading (volts): 12.93

heater - 12.56

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 12-30-09 (JD)

Time: 6:15 PM ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3

Cumulative Sample Volume (L): 7605

Cumulative Sample Time (min): 2534

Atmospheric pressure (mm Hg): 27.50 ins

Temperature inside station unit (F): 46.5 Pump/36 Box

Battery voltage reading (volts): 12.73

heater - 12.18

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 12-31-09 (JD)

Time: 9:22 AM ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3

Cumulative Sample Volume (L): 0 FLO

Cumulative Sample Time (min): 3442

Atmospheric pressure (mm Hg): 27.53 ins

Temperature inside station unit (F): 46.1 Pump/37 Box

Battery voltage reading (volts): 12.64

heater - 12.00

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-1-10 (JD)

Time: 11:29 AM ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3

Cumulative Sample Volume (L): 0 FLO

Cumulative Sample Time (min): 5009

Atmospheric pressure (mm Hg): 27.42 ins

Temperature inside station unit (F): 49.9 Pump/41 Box

Battery voltage reading (volts): 12.54

heater - 11.73

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-2-10 (JD)

Time: 10:28 AM ()

PUMP FAULT (Yes / No): NO

Flow Rate (L/min): 3

Cumulative Sample Volume (L): 0 FLO

Cumulative Sample Time (min): 6388

Atmospheric pressure (mm Hg): 27.63 ins

Temperature inside station unit (F): 53.7 Pump/45 Box

Battery voltage reading (volts): 12.46

heater - 11.34

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA

TA-0073

Station Location: T-7 (Jay's Rental)
Field Technician: AA
Pump Type/Model: SKC AirChek 2000
Pump Number: 36428

Sample ID #: _____
Filter Lot #: 18833-02
Sample Type: TEM
Sample Parent ID #: TA-0073

PUMP SETUP DAY

Date: 1-7-10
Time: 3:31 PM

Timer Beginning Date/Time: 1-8-10 12:00 AM
Beginning Flow Rate (L/min): 3
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

PUMP RETRIEVAL DAY

Date: 1/13/10
Time: 10:14 AM

Timer Ending Date/Time: 1/13/10 12:00 AM
Ending Flow Rate (L/min): 3.0
Total Sample Volume (L): 0FLO
Total Sample Time (min): 7,200
Atmospheric Pressure (INS): 27.48
Temperature inside station unit (°F): 52.9 PUMP, 44 BOX

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

changed heater battery on 1-10-10

SIGNATURE: AADATE: 1-10-10 / 1-13-10

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA
ADDITIONAL DAILY CHECK RECORDS

TA-0073

Station Location: T-7 (Jay's Rental)

Sample ID #

Field Technician: JDFilter Lot #: 18833-02

Pump Type/Model: SKC AirChek 2000

Pump Number: 36428

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-8-10 (JD)Time: 12:43 PM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3Cumulative Sample Volume (L): 2291Cumulative Sample Time (min): 763Atmospheric Pressure (INS): 28.03Temperature inside station unit (°F): 37.4 pump/25 BoxBattery voltage reading (volts): 12.81heater 11.96

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-9-10 (JD)Time: 10:23 AM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3Cumulative Sample Volume (L): 6188Cumulative Sample Time (min): 2062Atmospheric Pressure (INS): 27.95Temperature inside station unit (°F): 40 pump/28 BoxBattery voltage reading (volts): 12.68heater - 11.32

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-10-10 (JD)Time: 11:28 AM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 3568Atmospheric pressure (INS): 27.91Temperature inside station unit (°F): 41.4 pump/34 BoxBattery voltage reading (volts): 12.51heater - 7.29

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-11-10 (JD)Time: 7:27 AM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 4767Atmospheric Pressure (INS): 27.65Temperature inside station unit (°F): 51.5 pump/40 BoxBattery voltage reading (volts): 12.45heater - 12.68

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-12-10 (MS)Time: 11:15 AM (MS)PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 6435Atmospheric Pressure (INS): 27.37Temperature inside station unit (°F): 54.9 pump/Box 43Battery voltage reading (volts): 12.38HEATER - 12.22

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA
ADDITIONAL DAILY CHECK RECORDS

TA-0084

Station Location: T-7 (Jay's Rental)

Sample ID #:

Field Technician: JD

Filter Lot #: 18833-02

Pump Type/Model: SKC AirChek 2000

Pump Number: 36428

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-18-10 (JD)Time: 10:40 AM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3Cumulative Sample Volume (L): 1920Cumulative Sample Time (min): 639Atmospheric Pressure (INS): 27.12Temperature inside station unit (°F): 56.7 Pump/46 BoxBattery voltage reading (volts): 12.31heater - 12.59

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-19-10 (JD)Time: 10:10 AM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3Cumulative Sample Volume (L): 6149Cumulative Sample Time (min): 2049Atmospheric Pressure (INS): 26.95Temperature inside station unit (°F): 55.2 Pump/45 BoxBattery voltage reading (volts): 12.22heater - 12.05

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-20-10 (JD)Time: 12:34 PM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 3634Atmospheric pressure (INS): 26.89Temperature inside station unit (°F): 55.5 Pump/45 BoxBattery voltage reading (volts): 12.18heater - 11.74

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-21-10 (JD)Time: 9:44 AM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 49.04Atmospheric Pressure (INS): 26.83Temperature inside station unit (°F): 52.1 Pump/41 BoxBattery voltage reading (volts): 12.14heater - 11.46

DAILY CHECK (For each station visit)

(Field Tech Initials)

Date: 1-22-10 (JD)Time: 11:55 AM ()PUMP FAULT (Yes / No): NOFlow Rate (L/min): 3Cumulative Sample Volume (L): 0 FLOCumulative Sample Time (min): 6474Atmospheric Pressure (INS): 26.74Temperature inside station unit (°F): 43.3 Pump/38 BoxBattery voltage reading (volts): 12.09heater - 10.07

TETRA TECH EM INC.

OU7 OUTDOOR AMBIENT AIR - FIELD SAMPLE DATA

TA-0084

Station Location: T-7 (Jay's Rental)
Field Technician: AA
Pump Type/Model: SKC AirChek 2000
Pump Number: 36428

Sample ID #: _____
Filter Lot #: 18833-02
Sample Type: TEM
Sample Parent ID #: TA-0084

PUMP SETUP DAY

Date: 1-17-10
Time: 3:01 PM

Timer Beginning Date/Time: 1-18-10
Beginning Flow Rate (L/min): 3
Pump Programmed (Yes / No): Yes
Bios Calibration Within 10 mL (Yes / No): Yes

12:00 AM

PUMP RETRIEVAL DAY

Date: 1-23-10
Time: 8:47 AM

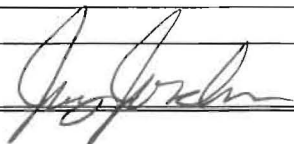
Timer Ending Date/Time: 1-23-10
Ending Flow Rate (L/min): 3
Total Sample Volume (L): 0 FLO
Total Sample Time (min): 7200
Atmospheric Pressure (INS): 27.14
Temperature inside station unit (°F): 38.9 pump / 32 Box

12:00 AM

COMMENTS: (Please note all photographs taken, major storm events, vandalism, and reason for pump fault)

Heater battery dead no extra heat for
pump for last 12 hours of sample period
1-23-10

SIGNATURE:



DATE:

1-23-10













